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UK 036440

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OPERATING L

USAFE

Air Weather S



RAF FAIRFO
N 51 41

PARTS A -

PERIOD OF
HOURLY

SUMMARY

"Approved for public release;
Distribution Unlimited."

FEDERAL

ASHEVILLE, N.C.

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SCOTT AFB IL 62225

USAFETAC/DS-87/060

ATING LOCATION - A
USAFETAC
eather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

RAF FAIRFORD UK MSC #036440
N 51 41 E 001 47 ELEV 286 FT EGVA

PARTS A - F HOURS SUMMARIZED: 0000 - 2300 LST

PERIOD OF RECORD:
HOURLY OBSERVATIONS: NOV 74 - AUG 76,
OCT 79 - MAY 87
SUMMARY OF DAY DATA: JUN 52 - SEP 55,
JAN 58 - MAY 64,
SEP 79 - MAY 87

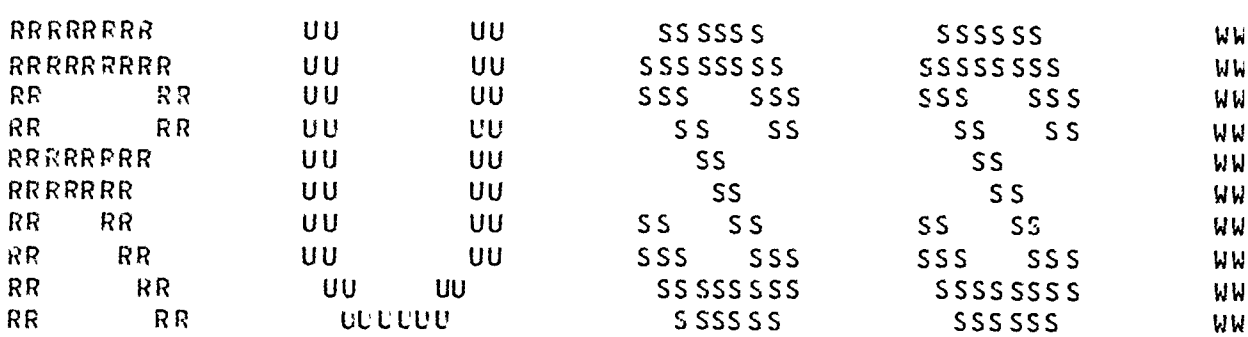
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FEDERAL BUILDING

VILLE, N.C. 28801 - 2723

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STATION NAME: RAF FAIRFORD UK

STATION NUMBER: 036440

PERIOD OF RECORD:

HOURLY OBSERVATIONS: NOV 74 - AUG 76, OCT 79 - MAY 87

SUMMARY OF DAY DATA: JUN 52 - SEP 55, JAN 58 - MAY 64, SEP 79

TIME CONVERSION LST TO GMT: 0

DATE PRODUCED: 18 SEP 1987

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S          SSSSSS          WW          WW          0000
SS        SSSSSSSS         WW          WW       00000000
SSS       SSS    SSS       WW          WW      000    000
 SS         SS    SS       WW          WW      00      00
             SS             WW          WW      00      00
              SS            WW          WW      00      00
S            SS    SS       WW    W     WW      00      00
WSSS         SSS    SSS     WW   WWW    WW      000    000
WWSSS         SSSSSSSS      WW WW WW WW       00000000
 SS             SSSSSS       WWW      WWW        0000
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DTIC TAB	☐
Unannounced	☐
Justification	
By	
Distribution /	
Availability Codes	
Dist	Avail and / or Special
A-1	

AF FAIRFORD UK

CALL ID: EGVA

HOURS SUMMARIZED: 0000-2300 LST

QUALITY INSPECTED 4

76, OCT 79 - MAY 87

- 65, JAN 58 - MAY 64, SEP 79 - MAY 87

OL-A/USAFETAC/MAC/AWS
ASHEVILLE NC 28801

REVISED UNIFORM SUMMARY OF SURFACE W

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECO
INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AV
OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FOR

DESCRIPTION OF SUMMARIES: PRECEEDING EACH PART OF THE RUSSWO IS A B
MANNER OF PRESENTATION.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIA
FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0
1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCIS
AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER O

TABLE OF CONTENTS

STATION HISTORY

PART A: WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIE

PART B: PRECIPITATION, SNOWFALL, AND SNOW DEPTH SUMMARIES

PART C: SURFACE WIND SUMMARIES

PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATIO
THE WMO NUMBER WITH THE ADDTION OF A SUFFIX (0 THROUGH 9). IN
A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A
AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN

FORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY

DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY
IN COLUMNS 66-73, AWS FORMS 10/10A.

PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE

IES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE
N LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100,
-2300 LST.

WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN
MARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

PHERIC PHENOMENA SUMMARIES

SNOW DEPTH SUMMARIES

C SKY COVER SUMMARIES

IDITY SUMMARIES

HER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF
SUFFIX (0 THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER,
NT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO
IQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

STATION LOCATION AND INSTRUMENTATION HISTORY

AWS MSC NO.	NAME OF STATION	LATITUDE	LONGITUDE	FIELD EL
036440	FAIRFORD RAF UK	N 51 41	W 001 47	28

CHG NO.	GEOGRAPHICAL LOCATION AND NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LO
			FROM	TO		
1	FAIRFORD RAF UK	RAF	JUN 52	AUG 55	N 51 41	W
2	SAME	SAME	SEP 55	JUN 56	SAME	
3	SAME	SAME	MAR 57	SEP 57	SAME	
4	SAME	SAME	APR 58	MAR 61	SAME	
5	SAME	SAME	APR 61	JUN 64	SAME	
6	SAME*	SAME	JUL 64	AUG 79	SAME	
7	SAME	SAME	SEP 79	APR 80	SAME	
8	SAME	SAME	MAY 80	FEB 81	SAME	
9	SAME	SAME	MAR 81	4 JUL 84	SAME	
10	SAME	SAME	5 JUL 84	MAY 87	SAME	
	* Deactivated Jul 64-Obs taken by UK Personnel. Reactivated Sep 79.					

CHG NO.	DATE OF CHANGE	SURFACE EQUIPMENT INFORMATION			
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND
1	JUN 52	Located on top of weather station.	GMQ-1	ML-204B	30 FT
2	APR 56	SAME	SAME	SAME	20 FT
3	APR 57	SAME	SAME	SAME	30 FT
4	SEP 57	Located 900 ft from end and 600 ft off centerline of the eastern end of runway.	SAME	SAME	13 FT
5	APR 58	Located 19 ft 6 in above the ground near east end of runway.	GMQ-11	RO-2	SAME

INSTRUMENTATION HISTORY

	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
	W 001 47	286	EGVA	

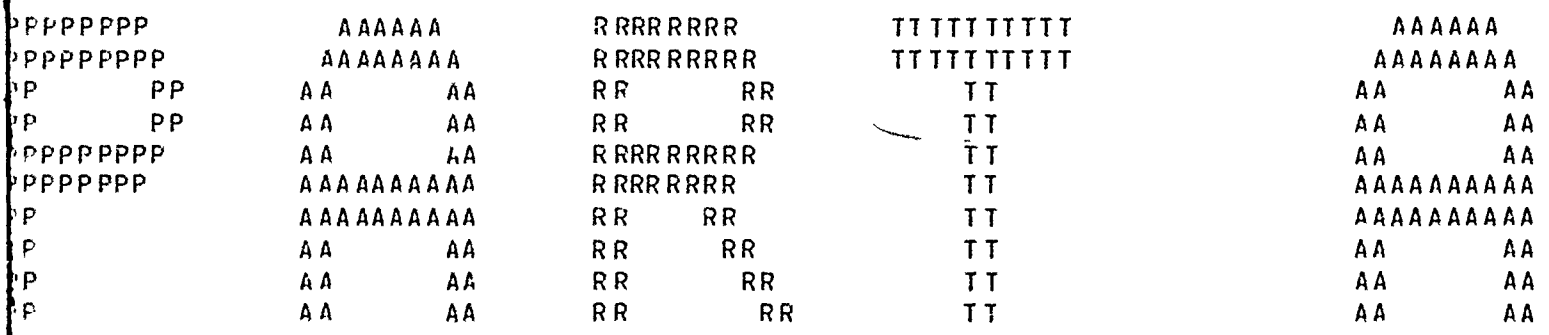
HIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
	TO			FIELD (FT)	HT BARO	
	AUG 55	N 51 41	W 001 47	293	293 FT	24
	JUN 56	SAME	SAME	SAME	SAME	10-14
	SEP 57	SAME	SAME	SAME	293 FT	17
	MAR 61	SAME	SAME	297	297 FT	24
	JUN 64	SAME	SAME	297	SAME	24
	AUG 79	SAME	SAME	SAME	SAME	Unkn
	APR 80	SAME	SAME	286	Unkn	LDS
	FEB 81	SAME	SAME	286	294.1	LDS
	4 JUL 84	SAME	SAME	286	294.1	24
84	MAY 87	SAME	SAME	SAME	265.2	24
ctivated Sep 79.						

MATION			REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
PE OF MITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	ML-204B	30 FT	
	SAME	20 FT	
	SAME	30 FT	
	SAME	13 FT	
11	RO-2	SAME	

CHG NO.	DATE OF CHANGE	SURFACE EQUIPMENT INFORMATION				
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
6	FEB 59	Located .6 miles SSE of weather station.	SAME	SAME	SAME	
7	MAY 64	SAME	SAME	SAME	SAME	
8	MAY 80-	Dual: Rwy 27 1385 ft from end 500 ft ~~off center line South side Rwy 09 1400~~ ft from end 500 ft off North Side.	GMQ 20	RO 362	13 FT	See A

SURFACE EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
EASN	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
f weather	SAME	SAME	SAME	
	SAME	SAME	SAME	
from end 500 ft ~~side Rwy 09 1400~~ North Side.	GMQ 20	RO 362	13 FT	See Atch

84-72112


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

WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMAR

WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERI

2. DATA BASED ON HOURLY OBSERVATIONS.

3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY

ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC P
TO VISION.

2. DATA BASED ON SUMMARY OF DAY DATA.

3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOU

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZI

SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYS

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTI
OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF
EXCEED THE PERCENTAGES IN THIS COLUMN.

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

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THE

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN RE

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SA
THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THO
VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO
AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVA
THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

TMOSPHERIC PHENOMENA SUMMARIES

IMARY OF VARIOUS ATMOSPHERIC pHENOMENA AND OBSTRUCTIONS TO VISION.

IE GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

RY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS

ID ALL YEARS COMBINED.

'S, TORNADOES AND WATERSPOUTS.

IND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

AZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

'ELLETS AND GRAINS, ICE CRYSTALS AND PELLETS. AND/OR SLEET (ICE PELLETS).

S ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE
IGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY
IN.

ID FOG.

AZE AND ANY COMBINATION THEREOF.

INCLUDING DRIFTING WHEN REPORTED.

ID, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF.
AYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA
METERS).

REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND)
N ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF
IS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHI

2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS
AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC
BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTI
THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMO
APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. TH
APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE F

INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE

AN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE
NE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED.
ECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY
OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL
Y THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN
MARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURREN
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP
00-02		15.3		4.9		19.7
03-05		14.0		3.7		17.2
06-08		16.9	.1	3.6		20.2
09-11		17.1		5.6		21.7
12-14	.1	17.2		4.2	.1	21.1
15-17		15.8	.1	3.0		19.0
18-20		12.9		3.0		15.6
21-23		14.2		3.7		17.7
TOTALS	.0	15.4	.0	4.0	.0	19.0

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP
00-02		14.1	.3	3.8		17.6
03-05		12.9	.5	2.4		15.7
06-08		12.7	.5	2.2		15.2
09-11		12.8	.3	4.6		17.1
12-14		15.3	.4	3.2	.1	18.7
15-17		14.9	.1	3.4	.3	18.3
18-20		13.8		2.6		16.4
21-23		13.5		2.6		16.1
TOTALS		13.8	.3	3.1	.1	16.9

NTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

FAIRFORD UK — PERIOD OF RECORD: 75-76,80-87
MONTH: JAN

ING IN OR ZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
	4.9		19.7	15.2	1.1	.4		16.6	752
	3.7		17.2	18.1	.7			18.8	757
.1	3.6		20.2	18.3	1.1			19.4	816
	5.6		21.7	20.8	3.5			24.3	840
	4.2	.1	21.1	16.4	6.9			23.4	835
.1	3.0		19.0	14.1	6.5	.4		21.0	827
	3.0		15.6	17.9	2.7	.4		21.1	698
	3.7		17.7	17.7	1.3	.5		19.5	600
.0	4.0	.0	19.0	17.3	3.0	.2		20.5	6125

FAIRFORD UK — PERIOD OF RECORD: 75-76,80-87
MONTH: FEB

ING IN OR ZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
.3	3.8		17.6	21.3	11.2			32.5	733
.5	2.4		15.7	29.7	8.8			38.5	737
.5	2.2		15.2	33.3	11.4			44.7	772
.3	4.6		17.1	28.4	20.5			48.8	776
.4	3.2	.1	18.7	13.8	24.2			38.0	776
.1	3.4	.3	18.3	9.8	22.9			32.7	774
	2.6		16.4	12.4	15.2			27.6	659
	2.6		16.1	20.0	9.2			29.2	585
.3	3.1	.1	16.9	21.1	15.4			36.5	5812

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURR
FROM HOURLY OB

STATION NUMBER: 03644O STATION NAME: RAF FAIRFORD UK

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% O WIT PREC
00-02		14.0		1.4		14
03-05		18.2		2.0		19
06-08		20.4		2.7		22
09-11		21.6		2.3		23
12-14	.1	20.5		1.3		21
15-17	.1	21.2		1.4	.2	22
18-20		17.6		1.3	.1	18
21-23		14.4		1.4		15
TOTALS	.0	18.5		1.7	.0	19

STATION NUMBER: 03644O STATION NAME: RAF FAIRFORD UK

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% O WIT PREC
00-02		10.2		1.1		10
03-05		10.4		.4		10
06-08		12.5		1.1		13
09-11		11.4		.6		11
12-14	.1	12.3		1.0		13
15-17	.6	11.6		1.6	.2	13
18-20		11.0		.9		11
21-23		9.5		1.0		9
TOTALS	.1	11.1		1.0	.0	11

QUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

D UK — PERIOD OF RECORD: 75-76,80-87
MONTH: MAR

NOW /OR EET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
1.4		14.9	20.0	8.0			28.0	764
2.0		19.9	24.4	7.3			31.8	765
2.7		22.8	26.9	8.2			35.1	837
2.3		23.1	16.5	12.3			28.9	852
1.3		21.7	5.7	11.6			17.2	847
1.4	.2	22.1	5.6	10.5			16.1	840
1.3	.1	18.5	8.0	9.8			17.8	714
1.4		15.5	12.5	4.8			17.3	666
1.7	.0	19.8	15.0	9.1			24.0	6285

D UK — PERIOD OF RECORD: 75-76,80-87
MONTH: APR

NOW /OR EET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
1.1		10.7	10.8	6.2			17.0	757
.4		10.8	23.5	7.3			30.8	756
1.1		13.3	25.3	11.4			36.6	827
.6		11.9	6.7	18.3			25.1	830
1.0		13.0	1.3	8.1			9.4	818
1.6	.2	13.2	.5	6.1			6.6	821
.9		11.3	1.0	7.4			8.5	674
1.0		9.8	3.8	5.3			9.1	684
1.0	.0	11.8	9.1	8.8			17.9	6167

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP
00-02	.3	11.6				11.6
03-05		11.5				11.5
06-08	.2	12.5				12.5
09-11	.1	13.8				13.8
12-14	.4	13.1				13.1
15-17	1.0	14.6			.1	14.7
18-20	.7	12.3				12.3
21-23	.1	12.1				12.1
TOTALS	.4	12.7			.0	12.7

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP
00-02	.9	11.0				11.0
03-05	.4	10.0				10.0
06-08		10.0				10.0
09-11		9.2				9.2
12-14	.9	6.9				6.9
15-17	.5	7.9				7.9
18-20	1.0	10.6				10.6
21-23	.6	8.1				8.1
TOTALS	.5	9.2				9.2

QUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY

SNOW /OR EET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
		11.6	12.9	2.0			14.9	760
		11.5	30.9	4.6			35.5	766
		12.5	24.2	13.7			37.9	842
		13.8	6.6	12.4			19.0	847
		13.1	1.8	9.5			11.3	838
	.1	14.7	.8	7.3			8.1	836
		12.3	2.0	7.9			9.8	713
		12.1	6.1	3.0			9.1	704
	.0	12.7	10.7	7.6			18.2	6306

RD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUN

SNOW &/OR LEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
		11.0	11.8	4.1			15.8	688
		10.0	26.4	6.7			33.1	698
		10.0	17.4	14.2			31.5	742
		9.2	4.5	9.2			13.8	749
		6.9	1.3	6.1			7.4	742
		7.9	1.2	4.3			5.5	746
		10.6	2.0	4.2			6.2	601
		8.1	4.8	3.7			8.6	619
		9.2	8.7	6.6			15.2	5585

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURREN
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP
00-02	.7	8.0				8.0
03-05	1.1	8.0				8.0
06-08	.7	10.3				10.3
09-11	.9	7.7				7.7
12-14	.7	5.4				5.4
15-17	1.7	6.4				6.4
18-20	1.0	6.1				6.1
21-23	1.0	5.6				5.6
TOTALS	1.0	7.2				7.2

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP
00-02	.9	8.7				8.7
03-05	.4	7.3				7.3
06-08		8.1				8.1
09-11	.3	7.6				7.6
12-14	.7	10.0				10.0
15-17	.8	8.5				8.5
18-20	1.0	9.1				9.1
21-23	.7	8.6				8.6
TOTALS	.6	8.5				8.5

FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUL

SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
		8.0	10.2	5.0			15.2	684
		8.0	27.8	4.8			32.5	713
		10.3	21.7	9.9			31.6	766
		7.7	4.9	10.5			15.3	782
		5.4	1.3	7.7			9.0	766
		6.4	.9	5.6			6.6	763
		6.1	1.2	8.6			9.8	604
		5.6	2.4	7.2			9.6	627
		7.2	8.8	7.4			16.2	5705

RD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: AUG

SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
		8.7	14.3	4.4			18.8	698
		7.3	30.0	2.3			32.2	711
		8.1	30.1	7.9			38.0	755
		7.6	7.5	11.7			19.1	763
		10.0	.3	9.7			10.0	760
		8.5	.5	10.3			10.8	750
		9.1	2.5	14.1			16.6	602
		8.6	5.9	8.5			14.3	614
		8.5	11.4	8.6			20.0	5653

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURR
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% C WIT PREC
00-02	.4	10.6				10
03-05	.5	11.6				11
06-08		11.1				11
09-11		9.4				9
12-14		9.9				9
15-17	.1	9.9				9
18-20	.2	9.9				9
21-23	.2	11.3				11
TOTALS	.2	10.5				10

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% O WIT PREC
00-02		13.3				13
03-05		16.3				16
06-08		17.6				17
09-11	.1	13.7			.1	13
12-14		15.6				15
15-17		17.2				17
18-20		13.4				13
21-23		12.3				12
TOTALS	.0	14.9			.0	14

QUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

UK

PERIOD OF RECORD: 75-76,80-86
MONTH: SEP

OW OR ET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
2		10.6	21.7	2.0			23.7	706
31		11.6	31.3	2.6			33.9	731
34		11.1	34.6	5.4			40.0	755
14		9.4	14.5	9.1			23.6	757
3		9.9	3.8	8.0			11.9	758
1		9.9	1.3	9.3			10.6	754
3		9.9	3.7	12.2			15.9	574
1		11.3	11.6	5.5			17.1	586
5		10.5	15.3	6.8			22.1	5621

UK

PERIOD OF RECORD: 75-76,79-86
MONTH: OCT

OW OR ET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
1		13.3	21.6	3.9			25.5	753
5		16.3	25.1	2.6			27.7	766
2		17.6	32.8	3.8		.1	36.7	823
0	.1	13.8	20.6	9.7			30.3	832
7		15.6	7.7	8.8			16.5	828
4		17.2	4.2	8.7			12.9	830
7		13.4	7.0	3.6			10.6	640
3		12.3	13.1	2.9			16.0	625
6	.0	14.9	16.5	5.5		.0	22.0	6097

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURR
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% C WIT PREC
00-02		15.2		.2		15
03-05		17.6		.1		17
06-08		17.9		.2		17
09-11		16.5		.2		16
12-14		16.7		.2		16
15-17		16.7		.1		16
18-20		15.9				15
21-23		16.6				16
TOTALS		16.6		.1		1

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% WI PRE
00-02		14.1	.1	1.4		1
03-05		16.2		2.4		1
06-08		20.1		2.6		2
09-11		18.1		2.0		1
12-14		15.6		1.1		1
15-17		17.7		1.6		1
18-20		15.7		1.7		1
21-23		16.3		1.5		1
TOTALS		16.8	.0	1.8		1

FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: NOV

SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
.2		15.4	21.7	2.8			24.5	811
.1		17.6	19.6	2.7			22.2	818
.2		17.5	22.6	3.0			25.7	857
.2		16.6	21.1	6.1			27.3	880
.2		16.9	12.8	6.7			19.5	878
.1		16.8	12.2	7.2			19.3	880
		15.9	13.5	4.4			17.9	704
		16.6	16.4	2.2			18.7	579
.1		16.7	17.5	4.4			21.9	6407

ORD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: DEC

SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
1.4		15.4	17.8	3.6			21.4	775
2.4		17.8	18.4	2.6			21.0	782
2.6		22.1	18.5	3.3			21.8	822
2.0		19.6	20.2	4.9			25.1	841
1.1		16.0	12.5	6.8			19.3	829
1.6		19.2	12.1	8.3			20.4	818
1.7		16.8	14.8	3.5			18.3	690
1.5		17.4	18.2	.7			18.9	582
1.8		18.1	16.6	4.2			20.8	6139

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP
JAN	ALL	.0	15.4	.0	4.0	.0	19.0
FEB			13.6	.3	3.1	.1	16.9
MAR		.0	18.5		1.7	.0	19.8
APR		.1	11.1		1.0	.0	11.8
MAY		.4	12.7			.0	12.7
JUN		.5	9.2				9.2
JUL		1.0	7.2				7.2
AUG		.6	8.5				8.5
SEP		.2	10.5				10.5
OCT		.0	14.9			.0	14.9
NOV			16.6		.1		16.7
DEC			16.8	.0	1.8		18.1
	TOTALS	.2	12.9	.0	1.0	.0	13.8

EQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 74-76,79-87
MONTH: ALL

SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
4.0	.0	19.0	17.3	3.0	.2		20.5	6125
3.1	.1	16.9	21.1	15.4			36.5	5812
1.7	.0	19.8	15.0	9.1			24.0	6285
1.0	.0	11.8	9.1	8.8			17.9	6167
	.0	12.7	10.7	7.6			18.2	6306
		9.2	8.7	6.6			15.2	5585
		7.2	8.8	7.4			16.2	5705
		8.5	11.4	8.6			20.0	5653
		10.5	15.3	6.8			22.1	5621
	.0	14.9	16.5	5.5		.0	22.0	6097
.1		16.7	17.5	4.4			21.9	6407
1.8		18.1	16.6	4.2			20.8	6139
1.0	.0	13.8	14.0	7.3	.0	.0	21.3	71902

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS
FROM DAILY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP
JAN	.6	59.6	1.7	22.6	1.3	69.9
FEB	.6	49.4	.2	21.3	.4	62.1
MAR	1.3	60.4	.2	14.2	1.3	66.1
APR	2.1	57.1		5.1	1.9	57.7
MAY	5.7	61.1		.2	1.8	61.1
JUN	8.1	58.1			.4	58.1
JUL	7.1	52.2			.8	52.2
AUG	6.4	62.8				62.0
SEP	3.4	55.8			.6	55.5
OCT	1.6	63.3			1.0	63.3
NOV	.8	70.5	.2	4.3	.6	71.5
DEC		69.4	.6	10.5		72.6
TOTALS	3.1	60.0	.2	6.5	.8	62.7

?H F DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
IS FROM DAILY OBSERVATIONS

RD UK

PERIOD OF RECORD: 52-55, 58-64, 79-87
MONTH: ALL

OG	SNOW &/OR LEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
.1	22.6	1.3	69.9	62.1	54.6	1.1		77.0	535
.5	21.3	.4	62.1	57.5	69.4	.2		83.4	494
.2	14.2	1.3	66.1	58.2	63.5			77.9	548
.9	5.1	1.9	57.7	51.9	62.4			73.5	532
.1	.2	1.8	61.1	46.1	57.0			71.5	547
.3		.4	58.1	46.3	60.8			72.8	492
.4		.8	52.2	46.4	53.9			67.2	521
.4			62.0	52.4	57.4			71.1	519
.3		.6	55.5	57.3	54.7			69.2	503
.0		1.0	63.3	58.0	54.3			71.0	510
.9	4.3	.6	71.5	61.9	50.4			75.0	488
.2	10.5		72.6	59.2	47.1	.4		73.8	503
.8	6.5	.8	62.7	54.8	57.1	.1		73.6	6192

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PPPPPPPP          AAAAAA          RRRRRRRR          TTTTTTTT
PPPPPPPPP        AAAAAAAA         RRRRRRRRR         TTTTTTTTT
PP       PP     AA      AA       RR       RR          TT
PP       PP     AA      AA       RR       RR          TT
PPPPPPPPP       AA      AA       RRRRRRRRR           TT
PPPPPPPP        AAAAAAAAAA       RRRRRRRR            TT
PP              AAAAAAAAAA       RR    RR            TT
PP              AA      AA       RR     RR           TT
PP              AA      AA       RR      RR          TT
PP              AA      AA       RR       RR         TT
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RR          TTTTTTTTTT          BBBBBBBBB
RRR         TTTTTTTTTT          BBBBBBBBBB
  RR            TT              BB      BB
  RR            TT              BB      BB
RRR             TT              BBBBBBBBB
RR              TT              BBBBBBBBB
RR              TT              BB      BB
  RR            TT              BB      BB
   RR           TT              BBBBBBBBB
    RR          TT              BBBBBBBBB
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PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIE

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFA

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCEN
MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES
DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .05% WHICH US

EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMA

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFAL

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSEF

AN ASTERISK "*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME
DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES,

EXTREME DAILY PRECIPITATION:	".00"	EQUALS NONE FOR THI
EXTREME DAILY SNOWFALL:	".0"	EQUALS NONE FOR THI
EXTREME DAILY SNOW DEPTH:	"0"	EQUALS NONE FOR THI

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSE

AN ASTERISK "*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WE

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE M

L AND SNOW DEPTH SUMMARIES

OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

AY DATA.

WITH ALL YEARS COMBINED.

SURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS,
S (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW
AND LIMITED VALUE).

S LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

ALL AND SNOW DEPTH) SUMMARIES

OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

EVIATIONS AND TOTAL OBSERVATIONS COUNTS.

DICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH
ST ONE DAY OF THE MONTH IS MISSING).

RTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

.00" EQUALS NONE FOR THE MONTH (HUNDREDTHS)

.0" EQUALS NONE FOR THE MONTH (TENTHS)

0" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

OWFALL SUMMARIES

EVIATIONS AND TOTAL OBSERVATION COUNTS.

THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

ED BY ZEROS.

S PRINTED IN THE TABLES.

EMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM SUMMARY OF DAY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

AMOUNTS IN INCHES

MONTH	NONE	TRACE	.01	.02 TO .05	.06 TO .10	.11 TO .25	.26 TO .50	.51 TO 1.00	1.01 TO 2.50	2.51 TO 5.00	5.01 TO 10.0
JAN	29.5	23.4	7.5	12.1	8.4	11.0	6.4	1.3	.4		
FEB	37.0	24.7	5.7	9.5	6.9	11.7	3.8	.6			
MAR	34.1	19.7	5.1	13.7	8.8	11.1	5.8	1.5	.2		
APR	41.9	18.2	5.5	11.1	7.7	11.1	3.8	.8			
MAY	38.8	16.6	6.0	13.5	6.4	10.4	6.2	1.8	.2		
JUN	40.7	20.5	6.9	9.1	7.7	6.3	5.1	3.0	.6		
JUL	46.8	18.6	5.4	10.4	5.6	7.7	4.0	1.5			
AUG	36.5	18.9	7.0	12.9	6.3	10.4	4.5	2.9	.6		
SEP	42.9	13.6	5.7	11.9	7.1	9.9	4.9	3.0	1.0		
OCT	34.3	17.6	5.5	14.5	7.8	11.6	4.9	3.5	.2		
NOV	27.7	17.8	7.4	13.7	6.8	12.9	0.5	3.3			
DEC	26.3	21.7	5.4	16.1	6.4	14.3	6.6	3.2			
ANN	36.4	19.3	6.1	12.4	7.2	10.7	5.5	2.2	.3		

FREQUENCY OF OCCURRENCE OF PRECIPITATION
FROM SUMMARY OF DAY DATA

ORD UK PERIOD OF RECORD: 52-55, 58-64, 79-87

AMOUNTS IN INCHES

.51 TO .00	1.01 TO 2.50	2.51 TO 5.00	5.01 TO 10.00	10.01 TO 20.00	OVER 20.00	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS MEAN	GREATEST	LEAST
.3	.4					47.1	535	2.03	4.24	.58
.6						38.3	494	1.22	2.53	.11
.5	.2					46.2	548	1.86	4.07	.39
.8						39.8	532	1.44	3.79	.02
.8	.2					44.6	547	2.03	4.22	.46
3.0	.6					38.8	492	1.89	4.49	.12
1.5						34.5	521	1.33	2.56	.07
2.9	.6					44.5	512	1.98	4.37	.21
3.0	1.0					43.5	506	2.37	5.30	.18
3.5	.2					48.0	510	2.18	4.42	1.00
3.3						54.5	488	2.68	5.00	.77
3.2						52.0	502	2.27	4.62	.49
2.2	.3					44.3	6187	23.28		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPI
(FROM DAILY OBSERVATION

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

24 HOUR AMOUNTS
-M-O-N-T-H-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL
52						*.85	.07
53	.20	.45	.49	.43	.43	.38	.54
54	.36	.43	.50	.17	.37	1.90	.57
55	.35	.32	.43	.20	.81	.66	.11
58	*.26	.58	.35	.14	.36	.69	.27
59	.70	.07	.64	.77	.36	.43	.59
60	1.32	.33	.76	.27	.56	1.81	.82
61	.50	.68	.13	.57	.47	1.02	.38
62	.62	.19	.32	.28	.38	.05	.64
63	.45	.10	.47	.28	.40	.72	.54
64	.13	.16	.82	.43	.98		
79							
80	*.45	*.57	*.59	*.35	*.15	*.76	*.69
81	*.28	*.34	.55	.42	*.47	.66	.37
82	*1.26	.31	1.04	.37	.15	.78	.75
83	*.34	.22	.65	.37	1.23	.64	.48
84	.79	.29	.26	.02	.67	.46	.12
85	.47	.32	.25	.23	1.00	.70	.32
86	.43	.10	.39	.14	.61	.18	.31
87	.29	.46	.48	.92	.32		
MEAN	.508	.313	.502	.354	.569	.739	.430
S.D.	.307	.175	.228	.230	.296	.513	.224
TOTAL OBS	535	494	548	532	547	492	521

NOTE * (BASED ON LESS

VALUES OF PRECIPITATION
M DAILY OBSERVATIONS)

RD UK PERIOD OF RECORD: 52-55, 58-64, 79-87

	24 HOUR AMOUNTS IN INCHES								
	-M-O-N-T-H-S-								ALL
UG	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHS
03		*.85	.07	*1.03	.25	1.17	.51	.45	
88	.43	.38	.54	.88	.75	.80	.28	.14	.88
70	.37	1.90	.57	.70	.35	.28	.62	.61	1.90
40	.81	.66	.11	.40	*.57				
21	.36	.69	.27	.21	.57	.46	.62	.54	.69
04	.36	.43	.59	1.04	.18	.53	.43	.67	1.04
66	.56	1.81	.82	.66	.67	.62	.74	.72	1.81
40	.47	1.02	.38	.40	.52	.67	.22	.98	1.02
78	.38	.05	.64	1.78	.51	.28	.29	.82	1.78
52	.40	.72	.54	.52	.43	.53	1.00	.31	1.00
	.98								
					*.10	*.80	*.48	*.92	
69	*.15	*.76	*.69	*.69	*1.56	*1.00	*.81	*.35	*1.56
89	*.47	.66	.37	.85	1.37	.70	.42	*.81	1.37
27	.15	.78	.75	.27	1.67	.52	.67	*.58	1.67
11	.23	.64	.48	.11	.75	.45	.69	.43	1.23
29	.67	.46	.12	.29	1.10	.24	.65	.24	1.10
71	.00	.70	.32	.71	.22	.81	.31	*.89	1.00
97	.61	.18	.31	.97	.91	.69	.57	*.26	.97
	.32								
53	.569	.739	.430	.653	.683	.583	.535	.537	1.316
25	.296	.513	.224	.425	.429	.242	.212	.255	.431
12	547	492	521	512	506	510	488	502	6187

FUTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATIO
(FROM DAILY OBSERVATIO

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

TOTAL MONTHLY PRECIP

YEAR	JAN	FEB	MAR	APR	MAY	JUN	J
52						*.97	.
53	.58	1.39	1.28	1.79	1.73	1.51	2.
54	1.21	2.20	1.82	.32	1.63	4.49	1.
55	1.68	1.73	1.33	.65	3.95	2.54	.
58	*.96	1.97	.94	.48	1.19	1.87	1.
59	4.24	.11	1.99	2.12	1.37	1.57	1.
60	3.35	2.08	1.27	.77	1.48	2.99	2.
61	3.36	2.53	.39	3.79	1.01	1.23	1.
62	3.42	.45	1.01	1.80	2.14	.12	1.
63	.97	.41	3.56	2.02	1.65	2.53	1.
64	.64	.71	3.10	2.22	2.91		
79							
80	*1.80	*2.42	*3.65	*.74	*.46	*4.28	*2.
81	*1.14	*.78	4.07	1.06	*2.97	.87	1.
82	*2.64	1.39	3.40	1.03	.72	2.98	1.
83	*2.07	.64	1.67	2.12	4.22	.92	1.
84	3.08	1.28	1.24	.02	1.88	1.27	.
85	1.59	.82	1.79	1.02	3.35	2.91	1.
86	1.66	.30	1.37	1.30	2.07	.54	.
87	.64	1.49	1.44	2.00	1.15		
MEAN	2.032	1.219	1.863	1.442	2.028	1.889	1.3
S.D.	1.279	.751	1.038	.926	1.046	1.166	.7
TOTAL OBS	535	494	548	532	547	492	5

NOTE * (BASED ON LE

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

IRFORD UK PERIOD OF RECORD: 52-55, 58-64, 79-87

TOTAL MONTHLY PRECIPITATION IN INCHES

MAY	-M-O-N-T-H-S- JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
	*.97	.07	*4.37	.80	3.38	3.06	2.02	
1.73	1.51	2.52	3.15	2.50	2.73	1.15	.49	20.82
1.63	4.49	1.60	2.45	2.09	1.77	3.86	1.63	25.07
3.95	2.54	.17	.54	*.79				
1.19	1.87	1.20	.90	2.21	1.97	1.87	2.16	*17.72
1.37	1.57	1.76	3.02	.18	1.78	2.67	4.62	25.43
1.48	2.99	2.56	2.62	3.47	4.42	5.00	3.54	33.55
1.01	1.23	1.73	1.78	2.23	2.34	.77	3.97	25.13
2.14	.12	1.71	4.19	2.76	1.00	1.75	2.38	22.73
1.65	2.53	1.80	2.27	1.72	1.80	4.94	.76	24.43
2.91								
				*.44	*2.06	*2.42	*4.52	
*.46	*4.28	*2.13	*1.72	*3.05	*2.71	*1.77	*1.77	*26.50
*2.97	.87	1.14	1.07	5.30	2.77	1.49	*2.46	*25.12
.72	2.98	1.19	1.12	4.52	3.33	3.98	*2.78	*29.08
4.22	.92	1.50	.21	3.21	1.15	1.41	1.73	*20.85
1.88	1.27	.36	1.20	3.11	1.34	3.88	1.64	20.30
3.35	2.91	1.08	2.67	.41	1.18	1.01	*2.89	*20.72
2.07	.54	.93	2.52	1.09	1.77	3.41	*1.70	*18.66
1.15								
2.028	1.889	1.333	1.981	2.373	2.182	2.683	2.267	24.683
1.046	1.166	.726	1.115	1.442	.975	1.440	1.291	4.098
547	492	521	512	506	510	488	502	6187

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM SUMMARY OF DAY D

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	NONE	TRACE	0.1 TO 0.4	0.5 TO 1.4	1.5 TO 2.4	2.5 TO 3.4	3.5 TO 4.4	4.5 TO 6.4	6.5 TO 10.4	10.5 TO 15.4	15.5 TO 25.4
				AMOUNTS IN INCHES							
JAN	77.1	14.7	2.6	3.2	.9	.7	.2	.2	.2	.2	
FEB	78.9	14.8	2.4	2.4	.6	.8					
MAR	85.9	11.7	1.1	1.3							
APR	95.1	4.1		.6			.2				
MAY	99.8	.2									
JUN	100.0										
JUL	100.0										
AUG	100.0										
SEP	100.0										
OCT	100.0										
NOV	95.5	3.5	.6	.4							
DEC	89.6	6.8	1.6	.8	.4		.2	.4	.2		
ANN	93.5	4.6	.7	.7	.2	.1	.0	.0	.0	.0	

REQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

RD UK PERIOD OF RECORD: 52-55, 58-64, 79-87

AMOUNTS IN INCHES								
5 / 0 / 4	6.5 TO 10.4	10.5 TO 15.4	15.5 TO 25.4	25.5 TO 50.4	OVER 50.4	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS MEAN	GREATEST	LEAST
2	.2	.2				8.2	537	3.5	16.6	TRACE
						6.3	494	1.7	6.7	.0
						2.4	548	.4	2.0	.0
						.8	532	.4	4.5	.0
							547	TRACE	TRACE	.0
							492	.0	.0	.0
							521	.0	.0	.0
							520	.0	.0	.0
							515	.0	.0	.0
							510	.0	.0	.0
						1.0	488	.2	1.6	.0
.4	.2					3.6	502	2.1	14.2	.0
.0	.0	.0				1.9	6206	8.3		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	24 HOUR AMOUNTS IN -M-O-N-T-H-S-						
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL
52						*.0	.0
53	TRACE	1.3	.0	TRACE	.0	.0	.0
54	3.7	TRACE	1.0	.0	.0	.0	.0
55	3.1	2.5	.7	.0	TRACE	.0	.0
58	1.2	1.4	TRACE	.5	.0	.0	.0
59	1.3	.0	.0	.0	.0	.0	.0
60	6.6	2.5	.3	.0	.0	.0	.0
61	.8	.0	.0	.0	.0	.0	.0
62	1.0	.2	TRACE	TRACE	.0	.0	.0
63	3.0	1.0	TRACE	TRACE	.0	.0	.0
64	1.5	TRACE	1.0	TRACE	.0		
79							
80	*1.3	*.0	*.1	*.0	*.0	*.0	*.0
81	*.2	*2.5	TRACE	3.5	*.0	.0	.0
82	*12.0	.4	TRACE	.0	.0	.0	.0
83	*TRACE	1.5	TRACE	TRACE	.0	.0	.0
84	TRACE	TRACE	TRACE	TRACE	.0	.0	.0
85	2.5	2.5	1.0	TRACE	.0	.0	.0
86	.2	.5	TRACE	1.0	.0	.0	.0
87	2.4	TRACE	1.2	.0	.0		
MEAN	1.95	.86	.31	.29	TRACE	.00	.00
S.D.	1.791	.973	.463	.867	.000	.000	.000
TOTAL OBS	537	494	548	532	547	492	521

NOTE * (BASED ON LESS TH

XTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

IRFORD UK PERIOD OF RECORD: 52-55, 58-64, 79-87

24 HOUR AMOUNTS IN INCHES

-M-O-N-T-H-S-

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
	*.0	.0	.0	.0	.0	1.3	1.0	
.0	.0	.0	.0	.0	.0	.0	.0	1.3
.0	.0	.0	.0	.0	.0	TRACE	.2	3.7
TRACE	.0	.0	.0	*.0				
.0	.0	.0	.0	.0	.0	.0	.0	1.4
.0	.0	.0	.0	.0	.0	.0	.0	1.3
.0	.0	.0	.0	.0	.0	.0	.2	6.6
.0	.0	.0	.0	.0	.0	.0	5.0	5.0
.0	.0	.0	.0	.0	.0	.5	9.0	9.0
.0	.0	.0	.0	.0	.0	.0	TRACE	3.0
.0								
				*.0	*.0	*.0	*TRACE	
*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*TRACE	*1.3
*.0	.0	.0	.0	.0	.0	.0	*4.5	*4.5
.0	.0	.0	.0	.0	.0	.0	*TRACE	*12.0
.0	.0	.0	.0	.0	.0	.0	.3	1.5
.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
.0	.0	.0	.0	.0	.0	TRACE	*.0	2.5
.0	.0	.0	.0	.0	.0	.0	*.0	1.0
.0								
TRACE	.00	.00	.00	.00	.00	.12	1.43	3.48
.000	.000	.000	.000	.000	.000	.351	2.911	2.931
547	492	521	520	515	510	488	502	6206

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

YEAR	JAN	FEB	MAR	APR	MAY	TOTAL MONTHLY SNOWFALL -M-O-N-T-H-S- JUN	JUL
52						*.0	.0
53	TRACE	2.3	.0	TRACE	.0	.0	.0
54	4.4	TRACE	1.0	.0	.0	.0	.0
55	9.0	6.7	1.2	.0	TRACE	.0	.0
58	2.2	3.8	TRACE	.5	.0	.0	.0
59	3.1	.0	.0	.0	.0	.0	.0
60	9.4	6.3	.3	.0	.0	.0	.0
61	.8	.0	.0	.0	.0	.0	.0
62	1.0	.2	TRACE	TRACE	.0	.0	.0
63	8.8	3.2	TRACE	TRACE	.0	.0	.0
64	1.8	TRACE	2.0	TRACE	.0		
79							
80	*2.3	*.0	*.1	*.0	*.0	*.0	*.0
81	*.2	*2.5	TRACE	4.5	*.0	.0	.0
82	*16.6	.4	TRACE	.0	.0	.0	.0
83	*TRACE	1.7	TRACE	TRACE	.0	.0	.0
84	TRACE	TRACE	TRACE	TRACE	.0	.0	.0
85	5.0	2.5	1.6	TRACE	.0	.0	.0
86	.2	.5	TRACE	1.0	.0	.0	.0
87	2.9	TRACE	1.5	.0	.0		
MEAN	3.47	1.73	.45	.35	TRACE	.00	.00
S.D.	3.399	2.259	.704	1.101	.000	.000	.000
TOTAL OBS	537	494	548	532	547	492	521

NOTE * (BASED ON LESS TI

MONTHLY SNOWFALL
M DAILY OBSERVATIONS)

RD UK PERIOD OF RECORD: 52-55, 58-64, 79-87

TOTAL MONTHLY SNOWFALL IN INCHES

-M-O-N-T-H-S-

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
	*.0	.0	.0	.0	.0	1.6	1.0	
.0	.0	.0	.0	.0	.0	.0	.0	2.3
.0	.0	.0	.0	.0	.0	TRACE	.2	5.6
ACE	.0	.0	.0	*.0				
.0	.0	.0	.0	.0	.0	.0	.0	6.5
.0	.0	.0	.0	.0	.0	.0	.0	3.1
.0	.0	.0	.0	.0	.0	.0	.2	16.2
.0	.0	.0	.0	.0	.0	.0	7.3	8.1
.0	.0	.0	.0	.0	.0	.8	14.2	16.2
.0	.0	.0	.0	.0	.0	.0	TRACE	12.0
.0								
				*.0	*.0	*.0	*TRACE	
*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*TRACE	*2.4
*.0	.0	.0	.0	.0	.0	.0	*8.3	*15.5
.0	.0	.0	.0	.0	.0	.0	*TRACE	*17.0
.0	.0	.0	.0	.0	.0	.0	.4	*2.1
.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
.0	.0	.0	.0	.0	.0	TRACE	*.0	*9.1
.0	.0	.0	.0	.0	.0	.0	*.0	*1.7
.0								
ACE	.00	.00	.00	.00	.00	.16	2.12	7.78
000	.000	.000	.000	.000	.000	.448	4.548	5.901
547	492	521	520	515	510	488	502	6206

E * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM SUMMARY OF DAY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	NONE	TRACE	1	2	3	AMOUNTS IN INCHES 4 TO 6	7 TO 12	13 TO 24	25 TO 36	37 TO 48	49 TO 60
JAN	76.4	8.4	2.6	2.4	1.3	5.6	2.2	1.1			
FEB	81.6	9.7	4.5	2.0	2.0	.2					
MAR	97.3	2.4	.4								
APR	99.8		.2								
MAY	100.0										
JUN	100.0										
JUL	100.0										
AUG	100.0										
SEP	100.0										
OCT	100.0										
NOV	99.4	.4			.2						
DEC	91.0	3.8	2.6	.4	.4	1.4		.4			
ANN	95.5	2.1	.9	.4	.3	.6	.2	.1			

QUENCY OF OCCURRENCE OF SNOW DEPTH
FROM SUMMARY OF DAY DATA

UK — PERIOD OF RECORD: 52-55, 58-64, 79-87

	AMOUNTS IN INCHES							MONTHLY AMOUNTS		
	25 TO 36	37 TO 48	49 TO 60	61 TO 120	OVER 120	% DAYS WITH MEAS AMTS	TOTAL OBS	MEAN	GREATEST	LEAST
1						15.3	537			
						8.7	494			
						.4	548			
						.2	532			
							547			
							492			
							521			
							520			
							515			
							510			
						.2	488			
4						5.2	502			
1						2.5	6206			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DE
(FROM DAILY OBSERVATION

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

	DAILY SNOW DEPTH -M-O-N-T-H-						
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL
52						*0	0
53	TRACE	1	0	0	0	0	0
54	4	2	0	0	0	0	0
55	5	4	TRACE	0	0	0	0
58	2	1	TRACE	0	0	0	0
59	1	0	0	0	0	0	0
60	6	3	0	0	0	0	0
61	TRACE	0	0	0	0	0	0
62	5	TRACE	TRACE	0	0	0	0
63	18	3	TRACE	0	0	0	0
64	0	0	0	0	0		
79							
80	*2	*0	*0	*0	*0	*0	*0
81	*0	*TRACE	0	1	*0	0	0
82	*17	0	0	0	0	0	0
83	*TRACE	0	0	0	0	0	0
84	TRACE	0	0	0	0	0	0
85	3	3	1	0	0	0	0
86	TRACE	1	0	0	0	0	0
87	2	0	1	0	0		
MEAN	3.3	1.1	.1	.1	.0	.0	.0
S.D.	4.746	1.408	.332	.242	.000	.000	.000
TOTAL OBS	537	494	548	532	547	492	521

NOTE * (BASED ON LESS

EME VALUES OF SNOW DEPTH
ROM DAILY OBSERVATIONS)

FORD UK PERIOD OF RECORD: 52-55, 58-64, 79-87

NCH AUG	DAILY SNOW DEPTH IN INCHES -M-O-N-T-H-S- MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
0		*0	0	0	0	0	3	3	
0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	TRACE	4
0	0	0	0	0	*0				
0	0	0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	6
0	0	0	0	0	0	0	0	5	5
0	0	0	0	0	0	0	0	13	13
0	0	0	0	0	0	0	0	0	18
	0								
					*0	*0	*0	*0	
*0	*0	*0	*0	*0	*0	*0	*0	*0	*2
0	*0	0	0	0	0	0	0	*5	*5
0	0	0	0	0	0	0	0	*0	*17
0	0	0	0	0	0	0	0	TRACE	TRACE
0	0	0	0	0	0	0	0	0	TRACE
0	0	0	0	0	0	0	0	*0	3
0	0	0	0	0	0	0	0	*0	1
	0								
.0	.0	.0	.0	.0	.0	.0	.2	1.9	5.6
00	.000	.000	.000	.000	.000	.000	.775	4.036	6.106
20	547	492	521	520	515	510	488	502	6206

FUNOTE * (BASED ON LESS THAN FULL MONTHS)

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PPPPPPPP          AAAAAA        RRRRRRRR        TTTTTTTTT          CCCCCC
PPPPPPPPP        AAAAAAAA       RRRRRRRRR       TTTTTTTTT        CCCCCCCC
PP       PP     AA      AA      RR      RR          TT          CC      CC
PP       PP     AA      AA      RR      RR          TT          CC
PPPPPPPPP       AA      AA      RRRRRRRRR           TT          CC
PPPPPPPP        AAAAAAAAAA      RRRRRRRR            TT          CC
PP              AAAAAAAAAA      RR    RR            TT          CC
PP              AA      AA      RR     RR           TT          CC      CC
PP              AA      AA      RR      RR          TT        CCCCCCCC
PP              AA      AA      RR       RR         TT          CCCCCC
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SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS CO

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PER
COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

AN ASTERISK "*" IN THE TABLES INDICATES THAT THE VALUE IS BASED
MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLE
COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16
VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICA

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDI
FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MOI

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIC
LIMITATIONS: WHEN VISIBILITIS EQUAL TO OR GREATER THAN 1/2 MIL
THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILI1

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MOI

RIES

D.
YEAR WITH ALL YEARS COMBINED.

F RE
FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968.
IN TENS OF DEGREES.
N IN
HAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE

NTHS
O NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO
ONTHS ARE NOT INCLUDED.

S.

SURFACE WINDS

SS P
S. WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE
OF BEAUFORT CLASSIFICATIONS.
THE
AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN

AND
E GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..
ITH I
THE C BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY
ARE 1 OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN
200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.
CURRE
ES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%,

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

REME VALUES OF SURFACE WI
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DAILY PEAK GUSTS IN -M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	
58		N *36	E *30	WNW 32	SSW 33	SE 33	W 32	W
59						SSE*31	WSW 30	S
60	WNW 39	SW 35	W 30	WSW 39	ENE 30	SW 31	W 33	S
61	WSW 43	SW *48	WSW 31	SE 30	WSW 30	N 21	S 29	W
62	WSW 52	W 42	WSW 35	WSW 40	W 32	WSW*35	WSW 30	N
63	NE 40	ENE 27	SW 46	S 32	W 29	WSW 34	S 25	W
64	WNW 30	WSW 26	ENE 27	SSE 31	W 38			
79								
80	18* 48	24* 39	23* 52	30* 28	3* 34	23* 34	31* 28	2
81	29* 40	24* 42	23/ 45	16/ 35	20/ 33	20/ 34	20/ 32	2
82	35/ 37	19/ 33	21/ 53	19/ 38	31/ 36	23/ 35	3/ 28	2
83	24/ 55	27/ 40	24/ 44	35/ 37	24/ 33	28/ 27	30/ 24	
84	24/ 62	25/ 60	29/ 40	22/ 29	35/ 28	25/ 30	21/ 28	3
85	24/ 40	26/ 41	31/ 28	24/ 38	36/ 28	24/ 30	25/ 39	2
86	27/ 49	2/ 35	22/ 60	36/ 35	24/ 41	21/ 37	31/ 31	2
87	3/ 34	23/ 32	25/ 63	7/ 30	28/ 32			
MEAN	43.7	37.1	41.8	34.3	32.5	31.2	30.1	
S.D.	9.676	9.712	12.261	3.838	3.886	4.614	3.919	
TOTAL OBS	382	365	418	412	423	373	397	

NOTES * (BASED ON LESS THAN FULL MONTHS)
$ (BASED ON LESS THAN FULL MONTHS AND

VALUES OF SURFACE WINDS
DAILY OBSERVATIONS)

ID UK PERIOD OF RECORD: 58-64, 79-87

DAILY PEAK GUSTS IN KNOTS

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
33	SE 33	W 32	W *29	WSW 30	W 35			
	SSE *31	WSW 30	SW 25	W 28	WNW 42	SSW 42	WSW 45	
30	SW 31	W 33	SE 28	WNW 28	E 33	SW 43	WSW 45	WSW 45
30	N 21	S 29	WSW 33	S 37	NW 38	WSW 40	WSW 49	WSW 49
32	WSW *35	WSW 30	NNE 33	S 40	WNW 33	S 31	WNW 45	WSW 52
29	WSW 34	S 25	WSW 34	WSW 30	S 25	WNW 45	ENE 29	SW 46
38								
				21* 33	9* 33	24* 43	19* 48	
34	23* 34	31* 28	24* 34	25* 38	21* 40	5* 40	17* 37	23* 52
33	20/ 34	20/ 32	23* 25	22/ 43	24/ 47	21/ 43	12/ 45	24/ 47
36	23/ 35	3/ 28	23/ 32	34/ 39	20/ 34	20/ 41	19/ 46	21/ 53
33	28/ 27	30/ 24	3/ 24	18/ 47	20/ 48	25/ 40	23/ 49	24/ 55
28	25/ 30	21/ 28	33/ 26	25/ 34	24/ 39	22/ 45	31/ 43	24/ 62
28	24/ 30	25/ 39	23/ 37	29/ 26	24/ 39	22/ 43	19/ 36	22/ 43
41	21/ 37	31/ 31	23/ 30	30/ 32	25/ 43	20/ 39	25/ 49	22/ 60
32								
2.5	31.2	30.1	30.2	34.5	38.0	41.1	43.7	52.0
386	4.614	3.919	4.315	6.667	6.523	3.885	6.101	7.528
423	373	397	376	398	416	368	376	4704

S THAN FULL MONTHS)
S THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.3	1.9	1.3	.9	.3		
NNE	1.5	.9	.4	1.2	.1	.1	
NE	.5	2.1	.7	1.2	.4		
ENE	.4	.7	1.2	.3	.5		
E	.5	.5	.7	.8	.4		
ESE	.3	.3	.4				
SE	.5	.1	.1	.3			
SSE	.3	.3	.1	.5	.1	.4	
S	1.6	1.3	1.7	2.3	1.2	.4	
SSW	1.1	2.0	2.3	2.5	1.6	.8	
SW	1.5	4.0	4.8	3.3	.9	.4	
WSW	1.2	2.5	4.3	3.9	1.1	.9	
W	1.3	1.7	2.7	4.7	.5	1.1	
WNW	.1	1.2	.5	.7		.1	
NW	.7	.5	.5	.4			
NNW	.5	.7	.5	.8			
VARIABLE						.1	
CALM	//						
TOTALS	13.3	20.7	22.2	23.7	7.2	4.4	

TOTAL NUMBER OF OBSERVATIONS: 752

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

RFORD UK

PERIOD OF RECORD: 75-76,81-87
MONTH: JAN HOURS(LST): 0000-0200

	WIND SPEED IN KNOTS								
	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
9	.3							5.7	7.0
2	.1	.1						4.3	7.2
2	.4							4.9	8.4
3	.5							3.1	8.5
2	.4							2.9	9.7
								.9	6.1
2								1.1	5.8
3	.1	.4						1.7	12.6
3	1.2	.4						8.5	10.3
3	1.6	.8	.1					10.4	11.6
3	.9	.4						14.9	9.2
9	1.1	.9						13.8	10.4
7	.5	1.1						12.0	11.1
7		.1						2.7	8.1
4								2.1	5.9
8								2.5	7.7
		.1						.1	25.0
//	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.5	1.1	1.7	.8	.3	.3	
NNE	1.1	1.2	1.3	.8			
NE	.9	1.3	1.3	1.3	.1		
ENE	.3	1.5	.7		.7		
E	.7	1.5	1.1	.5	.4		
ESE	.1	.1					
SE		.3	.3	.1	.3		
SSE	.3	.4	.5	.4	.3		
S	.9	.5	1.9	.8	1.6	.1	
SSW	1.6	2.2	2.6	3.8	.9	1.1	
SW	1.6	2.6	4.5	2.6	1.3	.3	
WSW	1.3	2.5	4.6	4.8	1.5	.5	
W	.9	1.1	2.6	3.4	.5	.4	
WNW	.5	.9	.8	1.2	.5		
NW	.3	.8	.8	.3	.1		
NNW	.3	.4	.8	.5			
VARIABLE	.1		.1	.4			
CALM	//						
TOTALS	12.3	18.4	25.7	21.8	8.5	2.6	

TOTAL NUMBER OF OBSERVATIONS: 756

CE
RV

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

F FAIRFORD UK

PERIOD OF RECORD: 75-76,81-87
MONTH: JAN HOURS(LST): 0300-0500

WIND SPEED IN KNOTS									
1-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.8	.3	.3						5.6	7.9
.8								4.4	6.9
1.3	.1							5.0	7.7
	.7							3.0	8.7
.5	.4							4.1	7.5
								.3	3.0
.1	.3							.9	10.0
.4	.3							1.9	9.1
.9	1.6	.1						5.8	10.8
3.8	.9	1.1						12.3	10.4
2.6	1.3	.3	.1					13.1	9.6
4.8	1.5	.5						15.2	10.5
3.4	.5	.4	.3					9.3	11.2
1.2	.5							4.0	9.8
.3	.1							2.2	7.8
.5								2.0	8.5
.4				.1				.8	14.7
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	1.5	.7	1.8	.5		.1	
NNE	1.1	1.3	1.3	.7	.2		
NE	1.1	1.6	2.1	.9			
ENE	.4	1.2	.2	.4	.5		
E	.6	1.1	.5	.2	.4		
ESE	.5	.2	.2	.1			
SE		.1	.1	.1	.2		
SSE	.1	.1	.1	.4	.5		
S	1.0	1.0	1.6	1.0	.9	.2	
SSW	1.1	1.5	2.8	3.1	1.1	.4	
SW	1.9	3.2	3.8	5.4	1.1	.5	
WSW	1.6	2.6	3.8	4.4	1.1	1.6	
W	.7	2.8	3.4	2.6	.7	.2	
WNW	.9	.5	.4	.4	.2	.1	
NW	.2	.5	1.1	.1			
NNW		.5	.9	.5	.1		
VARIABLE			.2	.2	.1		
CALM	//						
TOTALS	12.6	19.0	24.5	21.0	7.2	3.2	

TOTAL NUMBER OF OBSERVATIONS: 815

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

RD UK PERIOD OF RECORD: 75-76,80-87
MONTH: JAN HOURS(LST): 0600-0800

WIND SPEED IN KNOTS 7-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	.1						4.7	6.7
.2							4.8	7.1
							5.6	6.8
.5							2.7	8.6
.4							2.8	7.5
							1.1	5.2
.2							.6	12.0
.5							1.2	13.1
.9	.2						5.6	10.0
1.1	.4						9.9	10.6
1.1	.5	.2	.1				16.2	10.2
1.1	1.6	.2					15.3	11.3
.7	.2						10.6	9.5
.2	.1						2.5	8.1
							2.0	6.9
.1							2.0	9.3
.1							.6	12.4
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.3	.8	2.3	.4	.2		
NNE	1.1	1.3	1.1	1.1	.4		
NE	.7	1.7	1.7	1.0	.1		
ENE	.8	1.1	.6	.4	.1	.4	
E	.7	1.3	.8		.5	.1	
ESE	.1	.2	.2	.1			
SE	.1	.1	.7	.4	.4		
SSE	.5	.4	.7	.1	.1	.1	
S	1.2	1.0	1.9	2.1	.7	.6	
SSW	.7	1.4	2.1	2.7	.8	1.0	
SW	1.5	2.1	2.6	5.7	1.3		
WSW	1.5	2.1	2.7	5.7	1.8	1.3	
W	1.2	1.0	2.3	4.0	1.9	.2	
WNW	.8	.4	1.2	1.1		.2	
NW	.6	.8	1.0	.2	.1		
NNW	.1	.6	.6	.5			
VARIABLE				.4			
CALM	//						
TOTALS	13.1	16.3	22.5	25.8	8.5	3.9	

TOTAL NUMBER OF OBSERVATIONS: 840

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

IRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: JAN HOURS(LST): 0900-1100

	WIND SPEED IN KNOTS								
	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
4	.2							5.0	7.2
1	.4							4.9	7.8
3	.1							5.1	7.7
4	.1	.4						3.3	8.4
	.5	.1						3.5	7.7
1								.7	7.0
4	.4							1.7	11.8
1	.1	.1						1.9	8.0
1	.7	.6						7.5	10.7
7	.8	1.0						8.8	11.5
7	1.3							13.3	10.0
7	1.8	1.3	.1	.2				15.6	12.1
0	1.9	.2	.4					11.0	12.1
1		.2						3.7	9.1
2	.1							2.7	6.6
5								1.8	7.8
4								.4	13.3
///	///	///	///	///	///	///	///	9.2	///
8	8.5	3.9	.5	.2				100.0	9.1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.5	1.6	2.8	1.7			
NNE	.6	1.4	1.6	1.3			
NE	1.0	1.7	1.1	1.0	.4		
ENE	1.0	.7	1.2	.5	.1	.2	
E	.6	.8	.5	.4		.4	
ESE	.1	.8	.6				
SE	.1	.5	.2	.4		.4	
SSE	.1	.8	.5	.7			
S	.2	1.1	.6	2.9	.7	.8	
SSW	.7	1.4	2.5	3.1	.4	.7	
SW	1.2	1.0	1.3	5.3	1.8	.6	
WSW	.8	1.4	3.5	5.5	4.1	1.4	
W	.2	.8	2.5	4.1	2.9	1.3	
WNW	.5	.4	.6	1.6	1.0	.4	
NW	.5	.5	.6	1.0	.4	.1	
NNW		.8	1.3	1.2			
VARIABLE			.1	.8	.1		
CALM	////////////

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

RFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: JAN HOURS(LST): 1200-1400

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							6.5	8.4
							4.9	7.8
.4							5.0	7.6
.1	.2						3.7	8.2
	.4						2.6	8.4
							1.6	6.0
	.4						1.6	11.2
							2.2	8.5
.7	.8						6.3	13.1
.4	.7						8.9	10.7
1.8	.6	.1					11.3	12.6
4.1	1.4						16.8	13.3
2.9	1.3	.4					12.2	14.6
1.0	.4						4.3	12.8
.4	.1						3.0	9.6
							3.4	9.3
.1							1.1	13.9
//							4.8	//////
11.7	6.3	.5					100.0	10.8

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HO

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN 1-3	4-6	7-10	11-16	17-21	22-27	2
N	1.7	1.2	1.7	1.1	.1		
NNE	1.3	1.1	1.3	.8	.1		
NE	1.1	1.5	1.1	.7	.2		
ENE	.7	1.1	.7	.6	.4	.2	
E	.3	1.3	.4	.4		.1	
ESE	.4	.1	.5	.1	.1		
SE	.6	.5	.4	.8		.1	
SSE	.4	.4	1.0	.5	.1		
S	.5	1.3	1.7	1.9	.2	.1	
SSW	.7	1.3	1.3	3.1	.4	.6	
SW	1.1	1.2	2.9	3.9	1.5	1.0	
WSW	1.2	1.7	3.5	8.1	1.6	1.1	
W	.7	1.2	2.7	4.5	2.1	1.1	
WNW	.4	.1	.7	1.2	.1		
NW	.7	.5	1.1	.8	.1		
NNW	.2	1.0	3.0	1.1			
VARIABLE				.6			
CALM	//						
TOTALS	12.6	15.5	23.9	30.4	7.0	4.4	

TOTAL NUMBER OF OBSERVATIONS: 827

EQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
RFA FROM HOURLY OBSERVATIONS
BSE

AIRFORD UK PERIOD OF RECORD: 75-76,80-87
MONTH: JAN HOURS(LST): 1500-1700

	WIND SPEED IN KNOTS									
	6	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
34										
	.1	.1							5.8	6.9
	.3	.1							4.7	6.8
	.7	.2							4.6	7.2
	.6	.4	.2						3.7	8.9
	.4		.1						3.0	6.2
	.1	.1							1.2	7.4
	.8		.1						2.4	8.2
	.5	.1							2.3	8.7
	1.9	.2	.1						5.8	9.4
	3.1	.4	.6						7.5	11.0
	3.9	1.5	1.0						11.5	11.9
	8.1	1.6	1.1	.1					17.3	12.0
	4.5	2.1	1.1		.1				12.3	12.8
	1.2	.1							2.5	10.2
	.8	.1		.1					3.4	8.9
	1.1								5.3	8.5
	.6								.6	13.8
	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.0	2.0	2.1	1.0	.1		
NNE	.9	2.1	.4	2.1	.1		
NE	1.1	1.0	.9	.7	.1		
ENE	1.0	1.1	.6	.7	.6		
E	1.0	.4	.9	.6			
ESE	.1	.3	.4	.3	.1		
SE	.6	.3	.4	.6			
SSE	.6	.6	.6	.4			
S	1.0	1.0	1.6	2.4	.3		
SSW	1.0	2.0	1.9	2.3	.6	1.0	
SW	1.4	3.2	5.2	3.2	1.1	.3	
WSW	.9	1.4	3.7	5.2	1.6	.7	.6
W	.7	1.3	2.9	2.6	.6	1.0	
WNW	.4	.1	.4	.1	.3	.1	
NW	.6	1.0	1.0	1.1	.1		
NNW	.9	.9	1.4	1.0			
VARIABLE				.1			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	14.2	18.8	24.4	24.5	5.7	3.2	.6

TOTAL NUMBER OF OBSERVATIONS: 698

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

UK

PERIOD OF RECORD: 75-76,80-87
MONTH: JAN HOURS(LST): 1800-2000

WIND SPEED IN KNOTS 1	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.1							7.3	6.6
.1							5.7	8.2
.1							3.9	6.7
.6							4.0	8.4
							2.9	6.6
.1							1.3	9.6
							1.9	7.7
							2.1	7.0
.3							6.3	9.1
.6	1.0						8.7	10.6
.1	.3						14.3	9.2
.6	.7	.6					14.0	12.5
.6	1.0						9.0	11.1
.3	.1						1.6	10.8
.1							3.9	8.3
							4.2	7.5
							.1	13.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	8.7	//////
5.7	3.2	.6					100.0	8.5

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE O
USAFETAC — FROM HOUR
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KI 1-3	4-6	7-10	11-16	17-21	22-27	28-
N	2.3	1.5	1.7	1.7	.5		
NNE	1.2	1.0	1.2	1.7	.2	.2	
NE	1.2	1.7	.7	.7	.2		
ENE	.8	1.3	1.5	.3	.2		
E		.7	1.0	.7	.2		
ESE	1.0		.2	.2			
SE	.5			.8			
SSE	.2		.3	.2	.3	.2	
S	.2	1.3	2.0	3.0	.7		
SSW	1.5	1.8	2.3	2.5	1.0	.3	
SW	2.0	3.5	4.2	3.7	.7	.5	
WSW	.8	1.8	3.3	4.7	1.3	1.3	
W	.7	2.0	1.7	2.0	.7	.3	
WNW	.5	.3	.3	.5	.8		
NW	1.0	.8	.8	1.0			
NNW	1.0	.7	2.0	.3			
VARIABLE			.2				
CALM	//						
TOTALS	15.3	18.5	23.3	23.8	6.7	2.8	

TOTAL NUMBER OF OBSERVATIONS: 600

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

AIRFORD UK

PERIOD OF RECORD: 81-87
MONTH: JAN HOURS(LST): 2100-2300

WIND SPEED IN KNOTS									
6	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.7	.5							8.2	7.5
.7	.2	.2						5.3	8.8
.7	.2							4.3	6.6
.3	.2							4.2	7.0
.7	.2							2.5	9.2
.2								1.3	3.9
.9								1.3	10.0
.2	.3	.2						1.2	12.7
.0	.7							7.2	10.8
.5	1.0	.3						9.5	9.3
.7	.7	.5						14.5	8.8
.7	1.3	1.3						13.3	12.0
.0	.7	.3						7.3	10.0
.5	.8							2.5	11.1
.0								3.7	7.1
.3								4.0	6.3
								.2	7.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	1.5	1.3	1.9	1.0	.2	.0	
NNE	1.1	1.3	1.1	1.2	.1	.0	
NE	.9	1.6	1.2	.9	.2		
ENE	.7	1.1	.8	.4	.4	.1	
E	.6	1.0	.7	.4	.2	.1	
ESE	.3	.3	.3	.1	.0		
SE	.3	.2	.3	.4	.1	.1	
SSE	.3	.4	.5	.4	.2	.1	
S	.8	1.1	1.6	2.0	.8	.3	
SSW	1.0	1.7	2.2	2.9	.8	.7	
SW	1.5	2.5	3.6	4.2	1.2	.4	
WSW	1.2	2.0	3.7	5.3	1.8	1.1	
W	.8	1.5	2.6	3.5	1.3	.7	
WNW	.5	.5	.6	.9	.4	.1	
NW	.6	.7	.9	.6	.1	.0	
NNW	.3	.7	1.3	.8	.0		
VARIABLE	.0		.1	.3	.0	.0	
CALM	//						
TOTALS	12.6	17.8	23.5	25.4	7.9	3.9	

TOTAL NUMBER OF OBSERVATIONS: 6123

CE
RV OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

UK PERIOD OF RECORD: 75-76,80-87
MONTH: JAN HOURS(LST): ALL

WIND SPEED IN KNOTS 21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.2	.0						6.0	7.3
.1	.0						4.9	7.5
.2							4.9	7.4
.4	.1						3.4	8.3
.2	.1						3.1	7.7
.0							1.0	6.4
.1	.1						1.4	9.4
.2	.1						1.8	9.5
.8	.3						6.6	10.6
.8	.7	.0					9.5	10.7
1.2	.4	.1	.0				13.6	10.2
1.8	1.1	.1	.0				15.3	11.8
1.3	.7	.1	.0				10.6	11.8
.4	.1						3.0	10.1
.1	.0	.0					2.8	7.8
.0							3.1	8.1
.0	.0		.0				.5	13.8
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN K						
	1-3	4-6	7-10	11-16	17-21	22-27	28-
N	1.5	3.3	2.9	2.2	.4		
NNE	1.9	3.1	3.8	1.9			
NE	2.3	5.5	6.0	2.7	.3		
ENE	1.1	1.2	3.4	2.6	.3	.1	
E	.5	2.2	1.8	1.4			
ESE	.3	.7	.3	.5			
SE		.7	.1	.3			
SSE	.1	.5	.1	.5			
S	.7	1.0	1.5	1.9	.3		
SSW	.3	1.1	1.5	1.4	.5	.1	
SW	.5	1.4	2.0	1.2	.3	.3	
WSW	.9	1.2	1.5	1.2	.3	1.5	
W	.5	1.2	.7	1.0	.1	.5	
WNW	.5	.3	.3	.3			
NW	.3	.1		.3			
NNW	.3	.8	.1	.1	.3		
VARIABLE							
CALM	//						
TOTALS	11.7	24.3	26.1	19.5	2.7	2.6	

TOTAL NUMBER OF OBSERVATIONS: 733

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

UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 0000-0200

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
34- 21	22-27	28-33	34-40	41-47	48-55	GE 56		
.4							10.2	7.8
							10.8	7.3
.3							16.8	7.3
.3	.1						8.7	8.8
							5.9	7.5
							1.8	6.9
							1.1	7.1
							1.4	8.1
.3							5.3	9.9
.5	.1						4.9	10.3
.3	.3						5.7	9.3
.3	1.5						6.5	12.0
.1	.5						4.1	10.1
							1.4	5.8
							.7	7.4
.3							1.6	8.0
///							13.1	//////
2.7	2.6						100.0	7.4

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.4	2.3	4.2	1.6	.4		
NNE	2.2	3.7	1.6	2.8			
NE	2.7	4.2	4.9	3.0			
ENE	1.4	2.6	3.8	2.4	.3	.3	
E	.8	1.5	2.7	.3			
ESE	.4	.4	.8				
SE	.6	.1	.5				
SSE	.4	.4	1.2	.5			
S	.3	.5	1.2	1.1	.5		
SSW	.8	1.5	1.5	.9	.3		
SW	1.1	1.4	1.5	1.2	.4	.1	
WSW	.9	1.1	1.1	1.6	.5	.9	
W	1.4	.9	.7	.8	.5	.1	.1
WNW	.3		.1	.8		.3	
NW	.1		.3		.1		
NNW	.4	.9	.1	.1	.3		
VARIABLE				.4			
CALM	//						
TOTALS	15.3	21.6	26.3	17.8	3.4	1.8	.

TOTAL NUMBER OF OBSERVATIONS: 737

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

ORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 0300-0500

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
.4							9.9	8.1
							10.3	7.1
							14.8	7.3
.3	.3						10.7	8.1
							5.3	6.7
							1.6	6.7
							1.5	4.9
							2.6	8.1
.5							3.7	10.3
.3							5.0	7.8
.4	.1						5.7	8.6
.5	.9						6.2	11.5
.5	.1	.1					4.6	9.1
	.3						1.5	13.5
.1							.5	9.3
.3							1.9	7.1
							.4	13.7
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOUR

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN K						
	1-3	4-6	7-10	11-16	17-21	22-27	28-
N	.5	2.6	3.8	1.7	.6		
NNE	1.3	2.2	2.5	2.3			
NE	2.3	4.8	5.2	4.0	.1		
ENE	1.4	2.8	3.9	1.7	.3		
E	2.2	1.3	1.9	.8			
ESE	.4	.5	.5	.4			
SE	.1		.4				
SSE	.6	.1	.8	1.2			
S	.4	.8	2.2	1.3	.1		
SSW	1.0	.6	1.4	.6	.6		
SW	1.0	1.0	1.0	1.2	.1	.3	
WSW	.6	1.3	2.1	1.8	.4	.5	
W	1.2	1.0	1.0	1.2	.3	.3	
WNW	.4	.3		.1		.3	
NW	.3	.6	.4	.1	.1	.1	
NNW	.4	.6	.1	.3	.1	.1	
VARIABLE				.4			
CALM	//						
TOTALS	14.2	20.7	27.2	19.0	2.8	1.6	

TOTAL NUMBER OF OBSERVATIONS: 772

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

IRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 0600-0800

	WIND SPEED IN KNOTS								
	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
7	.6							9.2	8.9
3								8.3	7.9
6	.1							16.5	7.7
7	.3							10.1	7.4
6								6.2	6.1
4								1.8	7.0
								.5	7.5
2								2.7	8.8
3	.1							4.8	9.1
4	.6							4.4	8.5
2	.1	.3						4.7	8.8
2	.4	.5						6.7	10.1
2	.3	.3						4.9	8.5
1		.3						1.0	10.3
1	.1	.1						1.7	8.6
7	.1	.1	.1					1.8	10.2
4			.1					.5	18.0
//	//							14.1	//////
0	2.8	1.6	.3					100.0	7.1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND SPEED IN KN FROM HOUR

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	.4	2.3	3.7	1.5	1.0	.1	
NNE	.5	1.8	2.6	1.4	.1		
NE	1.9	4.1	5.3	5.5	1.2		
ENE	1.5	3.1	4.1	3.4	.6		
E	1.7	1.0	3.2	1.7			
ESE	.3	.5	1.0	.5			
SE	.5	.3	.8	.1			
SSE	.4	.5	.1	1.3	.1	.1	
S	.4	1.0	1.5	1.9	.3		
SSW	.1	.8	1.7	2.1	.5		
SW	1.0	1.0	1.0	1.3		.3	
WSW	.6	1.2	1.3	3.2	.6	.5	
W	.1	.6	.9	1.4	.5	.1	
WNW	.3	.1	.4	.1	.1	.3	
NW	.5	.5	.1				
NNW		.5	.5	.1	.1	.3	
VARIABLE				.1	.3		
CALM	//						
TOTALS	10.3	19.5	28.4	25.8	5.5	1.7	

TOTAL NUMBER OF OBSERVATIONS: 776

ACE
ERV

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

... FORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 0900-1100

4-4

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
1.0	.1						9.1	9.5
.1							6.4	8.3
1.2							18.0	9.0
.6							12.8	8.2
							7.6	7.4
							2.3	7.8
							1.7	6.3
.1	.1						2.6	10.7
.3							5.2	9.5
.5							5.2	11.1
	.3						4.6	8.2
.6	.5						7.5	11.5
.5	.1						3.7	11.5
.1	.3						1.3	12.3
		.1					1.3	6.6
.1	.3						1.5	11.0
.3							.4	17.0
////////////

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF SUR
USAFETAC — FROM HOURLY OB
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.3	1.3	3.2	1.9	1.4		
NNE	.1	.6	2.6	2.3	.3	.1	
NE	.5	2.8	4.6	5.8	.5		
ENE	.5	2.4	3.9	3.7	.9	.3	
E	1.4	2.1	4.5	2.8			
ESE	.8	.4	1.2	1.2			
SE	.4	.1	.9	.3			
SSE	.1	.5	.9	1.0	.3		
S	.3	.6	2.5	2.7	.4		
SSW	.3	.8	1.4	3.5	.1		
SW	.9	.5	1.4	1.9	.6		
WSW	1.0	.4	.9	2.1	1.4	.3	
W	.1	.6	.6	2.6	.6	.6	
WNW	.1		.4	.4	.3	.5	
NW	.3	.5	.5	.4	.1		
NNW	.1	.5	.9	.1		.4	
VARIABLE		.1	1.2	1.0	.3		
CALM	////////	////////	////////	////////	////////	////////	////////
TOTALS	7.2	14.1	31.6	33.8	7.2	2.2	

TOTAL NUMBER OF OBSERVATIONS: 775

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

ORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 1200-1400

WIND SPEED IN KNOTS								
17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
1.4							8.1	10.3
.3	.1						6.1	10.8
.5							14.3	9.8
.9	.3						11.4	10.1
							10.8	8.0
							3.5	8.0
							1.7	6.8
.3							2.8	10.5
.4							6.5	10.5
.1							6.1	10.8
.6							5.4	9.8
1.4	.3						6.1	11.9
.6	.6						5.3	13.6
.3	.5						1.7	15.5
.1							1.8	8.4
	.4						2.1	10.4
.3							2.6	10.9
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.3	2.2	3.5	2.1	.6	.3	
NNE	.9	.8	2.8	1.4	.1		
NE	.4	2.3	5.7	5.9	.6		
ENE	1.2	3.1	3.2	4.0	.9		
E	.4	2.7	3.6	1.8			
ESE	.1	1.4	1.2	.3			
SE	.5	.9	.5	.1			
SSE		.5	1.2	.9	.1		
S	.1	1.0	1.9	3.4	.1	.3	
SSW		1.4	1.4	2.1			
SW	.1	1.7	.9	1.6	.3		
WSW	.5	.6	2.3	3.9	.4	.4	
W	.1	.4	1.3	1.6	.4	.6	
WNW		.4	.3	.5	.4		
NW	.1	.4	1.0	.5	.1	.1	
NNW	.1	.4	.6		.3	.1	
VARIABLE			.6				
CALM	//						
TOTALS	5.9	20.3	32.2	30.0	4.4	1.8	

TOTAL NUMBER OF OBSERVATIONS: 774

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

IRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 1500-1700

	WIND SPEED IN KNOTS								
	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
1	.6	.3						9.9	8.8
4	.1							6.1	8.7
9	.6							15.0	10.3
0	.9							12.4	9.1
8								8.5	7.8
3								3.0	7.3
1								2.1	5.8
9	.1							2.7	9.9
4	.1	.3						6.8	10.6
1								4.9	10.1
6	.3							4.5	9.0
9	.4	.4	.3					8.4	11.8
6	.4	.6						4.4	12.9
5	.4							1.6	11.5
5	.1	.1						2.3	10.1
	.3	.1						1.6	10.0
								.6	8.8
///	///	///	///	///	///	///	///	5.2	///
0	4.4	1.8	.3					100.0	9.2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.7	3.5	2.7	2.7	.6		
NNE	2.0	2.3	3.6	1.1			
NE	2.3	2.3	4.9	6.4	.6		
ENE	2.1	2.9	2.3	1.7			
E	1.2	2.4	2.3	.6	.8		
ESE	.6	.6					
SE	.2	1.1	.2	.2			
SSE	.3	.8	.6	.8			
S	.6	1.8	2.3	3.6	.3	.3	
SSW	.8	1.7	.6	.8	.6		
SW	.8	2.1	1.5	.5	.2		
WSW	.3	1.4	1.4	2.7	.5		
W	.5	.8	.9	.6	.5	.3	
WNW		.3	.2	.2			
NW	.3	.2		.5			
NNW	1.4	.9	.5	.3			
VARIABLE				.3			
CALM	//						
TOTALS	14.9	24.9	23.8	22.8	3.9	.6	

TOTAL NUMBER OF OBSERVATIONS: 659

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

IRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 1800-2000

	WIND SPEED IN KNOTS								
	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
7	.6							11.2	8.2
1								9.0	6.9
4	.6							16.4	9.4
7								9.0	6.8
6	.8							7.3	7.7
								1.2	3.3
2								1.5	5.5
8								2.4	8.2
6	.3	.3						9.0	10.1
8	.6							4.4	8.7
5	.2							5.0	
7	.5		.3	.2				6.7	.0
6	.5	.3	.2					3.6	11.2
3								.6	8.8
9								.9	8.7
3								3.0	5.4
3								.3	15.0
								8.5	
2	3.9	.6	.5	.2				100.0	7.7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	3.6	3.4	2.9	2.7	.5		
NNE	2.9	2.6	4.1	2.6			
NE	2.6	3.8	5.8	5.5	.3		
ENE	1.4	1.9	2.6	1.2	.3		
E	.5	.9	1.7	.9			
ESE	.2		.3	.2	.3		
SE		.5	.3				
SSE	.2	.7	.2	.7			
S	.5	.5	2.2	2.2	1.0		
SSW	1.0	2.1	1.0	1.9	.5		
SW	.2	2.1	2.1	1.2		.2	
WSW	1.2	.7	1.7	1.2	.5		
W	.9	1.0	.9	.5	.3	.3	
WNW			.2	.3			
NW			.2				
NNW	.5	1.0	.7		.3		
VARIABLE			.2	.3			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////
TOTALS	15.6	21.0	27.0	21.4	4.3	.5	

TOTAL NUMBER OF OBSERVATIONS: 585

ICE
RVUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 80-87
MONTH: FEB HOURS(LST): 2100-2300

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
.5							13.2	7.1
							12.1	7.2
.3							17.9	8.5
.3							7.4	7.7
							3.9	7.6
.3							1.0	12.0
							.9	7.0
							1.7	7.9
1.0							6.5	11.3
.5							6.5	9.1
	.2						5.6	8.2
.5			.2				5.5	9.6
.3	.3						3.9	9.1
							.5	11.3
							.2	10.0
.3							2.6	7.1
							.5	13.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.2	2.6	3.4	2.0	.7	.1	
NNE	1.4	2.1	2.9	2.0	.1	.0	
NE	1.8	3.7	5.3	4.8	.5		
ENE	1.3	2.5	3.4	2.7	.5	.1	
E	1.1	1.8	2.8	1.3	.1		
ESE	.4	.6	.7	.4	.0		
SE	.3	.4	.5	.1			
SSE	.3	.5	.7	.9	.1	.0	
S	.4	.9	1.9	2.3	.4	.1	
SSW	.5	1.2	1.3	1.7	.4	.0	
SW	.7	1.4	1.4	1.3	.2	.1	
WSW	.8	1.0	1.5	2.3	.6	.5	.
W	.6	.8	.9	1.2	.4	.4	.
WNW	.2	.2	.2	.3	.1	.2	
NW	.2	.3	.3	.2	.1	.0	.
NNW	.4	.7	.4	.1	.2	.1	.
VARIABLE		.0	.3	.3	.1		.
CALM	//						
TOTALS	11.7	20.7	27.9	23.9	4.3	1.6	.

TOTAL NUMBER OF OBSERVATIONS: 5811

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

UK PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): ALL

WIND SPEED IN KNOTS 21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.7	.1						10.0	8.6
.1	.0						8.5	7.8
.5							16.2	8.6
.5	.1						10.4	8.4
.1							7.1	7.4
.0							2.1	7.4
							1.4	6.2
.1	.0						2.4	9.2
.4	.1						5.9	10.2
.4	.0						5.1	9.6
.2	.1						5.1	8.6
.6	.5	.1	.0				6.7	11.4
.4	.4	.0					4.4	10.8
.1	.2						1.2	11.5
.1	.0	.0					1.2	8.6
.2	.1	.0					2.0	8.5
.1		.0					.7	12.4
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	1.8	2.1	2.7	.4	.1		
NNE	.9	2.7	2.9	.7			
NE	.3	.8	1.3	.3			
ENE	1.0	1.2	.9	.1			
E	.7	1.0	.7	.9			
ESE		.3	.5	.1			
SE	.4	.7	.8	.3			
SSE	.1	1.3	1.6	.5			
S	.9	1.7	2.1	2.9	1.0	.9	
SSW	1.4	2.1	2.9	3.3	.3	.4	
SW	2.9	4.8	2.1	1.7	.4		
WSW	2.1	3.4	2.0	3.9	1.8	.4	
W	2.1	1.3	.9	.5		.1	
WNW	.7	.9	.8	.3	.1		
NW	.1	.1	.4	.3		.1	
NNW	.7	.1	.7	.3	.3		
VARIABLE							
CALM	////	////	////	////	////	////	////
TOTALS	16.1	24.6	23.2	16.4	4.1	2.0	

TOTAL NUMBER OF OBSERVATIONS: 764

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

AIRFORD UK

PERIOD OF RECORD: 75-76,81-87
MONTH: MAR HOURS(LST): 0000-0200

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
6	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
.4	.1							7.2	6.1
.7								7.2	6.6
.3								2.6	7.1
.1								3.3	5.2
.9								3.3	7.6
.1								.9	7.9
.3								2.1	7.1
.5								3.5	7.7
.9	1.0	.9						9.6	11.5
.3	.3	.4						10.3	8.9
.7	.4							11.9	6.4
.9	1.8	.4						13.6	9.8
.5		.1						5.0	5.8
.3	.1							2.7	7.0
.3		.1						1.0	9.9
.3	.3							2.0	8.3
///	///	///	///	///	///	///	///	13.7	///
6.4	4.1	2.0						100.0	6.9

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOUR

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN K 1-3	4-6	7-10	11-16	17-21	22-27	28-
N	3.3	2.5	2.7	.8			
NNE	.4	2.1	1.8	.4			
NE	.9	.5	1.6	.3			
ENE	.5	1.0	1.4	.4			
E	.3	1.2	.8	.5			
ESE	.3	.5	.7	.1			
SE	1.2	.3	.3				
SSE	.7	1.3	1.7	.9			
S	.5	1.3	1.8	1.7	1.6	.5	
SSW	1.3	1.7	2.6	3.0	.8		
SW	3.0	3.7	2.9	3.3	.9	.4	
WSW	1.4	2.0	2.1	3.4	.4	.4	
W	1.7	2.5	.7	.4	.1	.1	
WNW	.3	1.0	.1	.3	.1		
NW	.1	.8	.8	.5	.1		
NNW	.7	.5	1.0	.1			
VARIABLE			.1	.1			
CALM	////	////	////	////	////	////	////
TOTALS	16.5	22.9	23.1	16.2	4.1	1.4	

TOTAL NUMBER OF OBSERVATIONS: 765

FAC
SER

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

...RFORD UK

PERIOD OF RECORD: 75-76,81-87
MONTH: MAR HOURS(LST): 0300-0500

	WIND SPEED IN KNOTS								
	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
								9.3	5.7
								4.7	7.1
								3.3	6.4
								3.4	6.8
								2.7	7.0
								1.6	6.6
								1.7	3.7
								4.6	7.7
	1.6	.5	.1					7.6	12.1
	.8							9.4	9.5
	.9	.4						14.1	8.1
	.4	.4						9.7	9.4
	.1	.1						5.5	5.9
	.1							1.8	6.6
	.1							2.4	8.2
								2.4	5.9
								.3	12.5
								15.7	
	4.1	1.4	.1					100.0	6.7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.9	1.9	4.1	.7	.1		
NNE	1.0	1.4	2.4	.8	.2	.1	
NE		1.6	2.0	.7	.5	.1	
ENE	.6	1.3	1.2				
E	.4	1.7	1.0	.2	.1		
ESE	.2	.7	1.0				
SE	.5	1.0	1.1	.2			
SSE		1.1	1.0	.6			
S	.9	1.6	1.2	3.3	.4	.7	
SSW	1.1	3.9	2.7	4.3	1.3		
SW	1.4	2.5	1.7	2.3	.7		
WSW	1.9	1.6	3.1	2.7	1.1	.1	
W	1.9	.7	1.2	1.3	.4	.2	
WNW	1.0	1.0	1.2	.2	.1		
NW	.1	1.1	1.1	.5	.1	.1	
NNW	.1	.8	.7	.2			
VARIABLE		.1	.1			.1	
CALM	//						
TOTALS	12.9	23.9	26.6	18.3	5.0	1.6	

TOTAL NUMBER OF OBSERVATIONS: 837

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

RD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAR HOURS(LST): 0600-0800

WIND SPEED IN KNOTS 7-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.1							8.7	6.8
.2	.1						6.0	7.7
.5	.1						4.9	9.0
							3.1	5.7
.1							3.3	6.8
							1.9	6.2
							2.7	6.5
							2.6	8.5
.4	.7						8.0	11.1
1.3		.1					13.5	9.8
.7							8.6	8.5
1.1	.1						10.5	9.1
.4	.2						5.7	8.1
.1							3.5	6.4
.1	.1						3.0	8.8
							1.9	6.9
	.1						.4	13.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE (
FROM HOUF

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN K 1-3	4-6	7-10	11-16	17-21	22-27	28-
N	.9	1.5	2.6	1.4	.5		
NNE	.8	.8	3.8	1.2	.4	.2	
NE	.5	.9	2.3	2.3	.2	.5	
ENE	.9	.7	.6	.8	.2		
E	.6	1.4	.8	1.2			
ESE	.5	.7	.7	.5			
SE	.4	.9	1.1	.4			
SSE	.1	.4	1.6	1.8	.1		
S	.2	.5	2.1	3.4	.5		
SSW	.9	1.1	2.0	4.1	1.3	.7	
SW	1.1	.6	2.9	3.8	.8	.7	
WSW	.9	1.2	1.3	3.8	1.6	.8	
W	1.1	1.3	1.6	3.1	1.3	.4	
WNW		.4	1.3	.7		.5	
NW	.5	.7	1.9	1.9	.4	.1	
NNW	.1	.5	1.6	.8	.1		
VARIABLE			.7	.4			
CALM	////////////

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

RFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAR HOURS(LST): 0900-1100

34-	WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	.5							6.9	8.5
	.4	.2						7.2	9.2
	.2	.5						6.8	10.4
	.2							3.3	7.9
								4.0	7.8
								2.3	6.9
								2.7	7.1
	.1							4.0	10.8
	.5							6.7	11.4
	1.3	.7	.2					10.3	12.6
	.8	.7		.2				10.1	12.1
	1.6	.8						9.6	12.1
	1.3	.4						8.7	11.4
		.5						2.8	12.1
	.4	.1						5.4	10.5
	.1							3.2	9.6
			.1	.1				1.3	14.3
////	////	////	////	////	////	////	////	4.7	//////
	7.4	3.9	.4	.4				100.0	10.1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE (
FROM HOUI

STATION NUMBER: 03644.0 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN K 1-3	4-6	7-10	11-16	17-21	22-27	28-
N	.4	1.9	2.7	3.1	.2		
NNE	.4	.6	3.0	1.3	.2	.2	
NE	.2	.6	1.4	2.6	.6	.2	
ENE	.6	.4	.7	.7	.1		
E	.4	.9	.9	1.5	.1		
ESE	.2	.4	.4	.6			
SE	.9	.7	1.4	1.1	.6		
SSE		.2	.5	1.3	.6		
S	.2	1.4	3.4	2.4	1.1	.2	
SSW	.6	.8	2.1	3.8	2.0	.4	
SW	.5	.9	1.5	3.9	1.4	.6	
WSW	.4	.8	1.7	3.5	2.7	1.9	
W	.6	.7	2.1	4.3	1.3	.8	
WNW	.2	.7	2.2	1.2		.1	
NW	.1	.6	1.1	2.2	.4		
NNW	.1	.8	1.1	1.8	.1		
VARIABLE		.1	.9	.2			
CALM	//						
TOTALS	5.8	12.6	27.2	35.4	11.5	4.5	

TOTAL NUMBER OF OBSERVATIONS: 847

AC

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

ORD UK PERIOD OF RECORD: 75-76,80-87
MONTH: MAR HOURS(LST): 1200-1400

WIND SPEED IN KNOTS								
17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.2							8.3	9.1
.2	.2						5.7	9.9
.6	.2						5.7	11.9
.1							2.5	8.2
.1							3.9	9.3
							1.5	8.8
.6							4.7	9.0
.6							2.6	13.5
1.1	.2						8.7	10.7
2.0	.4	.1					9.8	12.7
1.4	.6	.4					9.2	13.3
2.7	1.9		.4				11.3	15.8
1.3	.8						9.8	12.7
	.1						4.5	9.2
.4							4.4	11.2
.1							3.9	10.2
							1.3	9.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SI
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.1	2.7	4.0	1.4	.5		
NNE	.2	1.2	2.3	1.3	.1		
NE	.5	.7	1.2	1.9	.6		
ENE	.2	.1	1.1	.5	.1		
E	.2	.5	1.4	1.4			
ESE	.1	.7	.6	.6			
SE	.1	.6	.8	1.1	.2		
SSE	.5	.6	1.0	1.5			
S	.5	1.5	4.2	1.9	1.2		
SSW	.5	1.0	2.1	4.9	.8	.5	
SW	.6	1.5	1.8	2.9	1.4	.7	.2
WSW	.2	1.2	1.7	3.9	1.9	1.4	.2
W	.8	1.1	3.2	3.3	.7	.5	
WNW	.7	.8	1.7	1.0	.1	.4	
NW	.2	.7	2.5	1.7	.2		
NNW	.2	.7	1.9	1.3	.2		
VARIABLE			.1	.4	.1		
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	6.8	15.7	31.5	31.0	8.3	3.5	.5

TOTAL NUMBER OF OBSERVATIONS: 840

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

IRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAR HOURS(LST): 1500-1700

WIND SPEED IN KNOTS							TOTAL	MEAN
17-21	22-27	28-33	34-40	41-47	48-55	GE 56	%	WIND
.5							9.8	8.0
.1							5.1	9.1
.6							4.9	10.6
.1							2.0	9.9
							3.6	9.5
							2.0	8.4
.2							2.9	10.3
							3.6	9.1
1.2							9.3	9.9
.8	.5						9.8	12.3
1.4	.7	.2					9.2	12.4
1.9	1.4	.2	.2				10.8	14.9
.7	.5						9.6	10.8
.1	.4						4.6	9.5
.2							5.4	9.7
.2							4.4	9.4
.1							.6	13.0
///							2.5	//////
8.3	3.5	.5	.2				100.0	10.5

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	2.5	3.5	2.1	1.3	.1		
NNE	.6	1.3	2.5	.7			
NE	.4	.4	1.3	.7		.1	
ENE	.8	.1	.8	.4			
E	.6	.7	1.0	.4			
ESE	.1	.1	.3	.3			
SE	.7	.7	1.0	1.0	.1	.1	
SSE	.4	1.4	.6	.1			
S	1.4	2.0	4.5	2.2	1.3	.4	
SSW	2.5	2.1	2.5	2.1	.3	.1	
SW	2.0	2.4	2.9	2.9	.7	.4	
WSW	1.1	3.2	2.1	3.5	1.4	.6	
W	1.3	1.7	2.2	1.3	.7	.1	
WNW	1.0	1.1	.8	.6	.1	.4	
NW	.7	2.1	.7	.7	.1		
NNW	.8	1.0	.1	.6			
VARIABLE					.1		
CALM	//						
TOTALS	16.9	23.8	25.5	18.8	5.0	2.4	

TOTAL NUMBER OF OBSERVATIONS: 714

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

IRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAR HOURS(LST): 1800-2000

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
.3	.1						9.5	6.1
.7							5.0	7.6
.7		.1					2.9	8.9
.4							2.2	6.5
.4							2.7	7.6
.3							.8	8.5
.3	.1	.1					3.6	8.8
.1							2.5	5.5
.2	1.3	.4					11.8	9.7
.1	.3	.1					9.7	7.8
2.9	.7	.4					11.3	9.3
3.5	1.4	.6	.4				12.3	11.1
1.3	.7	.1					7.3	8.6
.6	.1	.4					4.1	8.2
.7	.1						4.3	6.5
.6							2.5	5.9
	.1						.1	20.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	3.0	2.7	1.2	.3			
NNE	.9	2.3	3.3	.9	.2		
NE	.5	.3	1.8	.3			
ENE	.6	.6	.3				
E	.3		.8	.8			
ESE	.2	.2	.3	.3		.2	
SE	.2	.2	1.5	.2	.2		
SSE	.5	.5	1.8	.3			
S	1.5	1.5	2.1	2.7	1.4	1.1	
SSW	1.4	1.7	3.5	2.0	.3	.3	
SW	1.8	4.2	3.5	2.9	.6	.3	
WSW	2.7	2.9	2.3	3.9	1.4	.8	
W	1.8	2.0	1.2	.6	.3		
WNW	.9	1.2	.8		.3	.2	
NW	.5	1.4	.8		.3	.2	
NNW	.5	.3	.5				
VARIABLE				.3			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	17.0	21.6	25.4	15.3	4.8	2.9	

TOTAL NUMBER OF OBSERVATIONS: 666

CE
RVA

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

AIRFORD UK

PERIOD OF RECORD: 75-76,81-87
MONTH: MAR HOURS(LST): 2100-2300

	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
6	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
.3								7.2	4.4
.9	.2							7.5	7.8
.3								2.9	7.7
								1.5	4.7
.8								1.8	8.5
.3		.2						1.1	9.7
.2	.2							2.1	9.0
.3								3.0	7.3
.7	1.4	1.1						10.2	11.2
.0	.3	.3						9.0	9.1
.9	.6	.3						13.2	8.2
.9	1.4	.8						13.8	9.6
.6	.3							5.9	6.2
	.3	.2						3.3	7.0
	.3	.2						3.0	8.0
								1.2	5.4
.3								.3	13.0
//////////////////	//////////////////	//////////////////	//////////////////	//////////////////	//////////////////	//////////////////	//////////////////	13.1	//////
.3	4.8	2.9						100.0	7.2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.8	2.3	2.8	1.2	.2		
NNE	.6	1.5	2.7	.9	.1	.1	
NE	.4	.7	1.6	1.2	.3	.1	
ENE	.7	.7	.9	.4	.1		
E	.4	1.0	.9	.9	.0		
ESE	.2	.5	.6	.3		.0	
SE	.5	.6	1.0	.5	.1	.0	
SSE	.3	.8	1.2	.9	.1		
S	.7	1.4	2.7	2.6	1.0	.5	.
SSW	1.2	1.8	2.5	3.5	.9	.3	.
SW	1.6	2.5	2.4	3.0	.9	.4	.
WSW	1.3	2.0	2.0	3.6	1.6	.8	.
W	1.4	1.4	1.7	1.9	.6	.3	
WNW	.6	.9	1.1	.5	.1	.2	
NW	.3	.9	1.2	1.0	.2	.1	
NNW	.4	.6	1.0	.7	.1		
VARIABLE		.0	.3	.2	.0	.0	.(
CALM	//						
TOTALS	12.4	19.6	26.6	23.3	6.4	2.8	.

TOTAL NUMBER OF OBSERVATIONS: 6285

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

RD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAR HOURS(LST): ALL

WIND SPEED IN KNOTS								
7-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.2							8.4	6.9
.1	.1						6.0	8.2
.3	.1						4.3	9.6
.1							2.7	6.9
.0							3.2	8.1
	.0						1.6	7.6
.1	.0						2.8	8.0
.1							3.3	8.9
1.0	.5	.0					8.9	10.9
.9	.3	.1					10.3	10.5
.9	.4	.1	.0				10.8	9.7
1.6	.8	.1	.1				11.4	11.5
.6	.3						7.3	9.4
.1	.2						3.4	8.5
.2	.1						3.7	9.3
.1							2.7	8.3
.0	.0	.0	.0				.6	12.3
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	3.4	2.9	2.4	2.2			
NNE	2.5	2.5	3.0	1.5			
NE	.9	1.1	1.8	1.1	.1		
ENE	.7	1.1	.9	.3	.1		
E		.5	.1	.1			
ESE	.4	.3					
SE	.7	.4	.1	.3			
SSE	.4	.1	.8	.1			
S	1.3	1.2	1.3	1.2			
SSW	1.8	2.2	2.0	.7	.5		
SW	3.2	3.7	2.0	1.7	.3		
WSW	2.2	2.0	2.2	1.1	.3		
W	2.4	1.7	1.5	.7	.3		
WNW	.9	.5	.4				
NW	.9	1.7	.8				
NNW	1.5	1.3	1.7	.7	.4		
VARIABLE							
CALM	////	////	////	////	////	////	////
TOTALS	23.2	23.2	21.1	11.5	2.0		

TOTAL NUMBER OF OBSERVATIONS: 757

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

RFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): 0000-0200

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							11.0	6.6
							9.5	6.4
.1							5.0	7.8
.1							3.0	6.3
							.8	6.7
							.7	3.2
							1.5	5.6
							1.5	6.5
							5.0	7.1
.5							7.3	6.8
.3							10.8	6.5
.3							7.8	6.6
.3							6.5	5.9
							1.8	4.1
							3.4	4.5
.4							5.5	7.1
////////////

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
USAFETAC — FROM HOURLY O
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	3.8	2.5	2.2	2.4	.1		
NNE	1.7	3.3	2.6	.7			
NE	1.5	2.2	.9	2.0			
ENE	.1	.7	.1	.7			
E	.9	.5	.4	.1			
ESE	.3	.5		.1			
SE	.5	.4	.7				
SSE	.1	.8	.8	.1			
S	1.3	1.3	1.7	1.3			
SSW	2.0	.9	1.6	1.2	.3		
SW	1.7	3.7	2.4	.5			
WSW	2.1	1	2.1	1.5			
W	3.2	1.5	.8	1.1	.5		
WNW	2.4	1.3	.1				
NW	1.2	1.7	.7	.3			
NNW	.9	1.3	1.6	.4	.3	.1	
VARIABLE							
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	23.9	24.6	18.8	12.3	1.2	.1	

TOTAL NUMBER OF OBSERVATIONS: 756

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

FAIRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): 0300-0500

WIND SPEED IN KNOTS								TOTAL	MEAN
1-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	%	WIND
2.4	.1							11.1	6.9
.7								8.3	5.9
2.0								6.6	7.3
.7								1.6	8.5
.1								2.0	4.9
.1								.9	5.1
								1.6	5.4
.1								1.9	6.7
1.3								5.7	7.3
1.2	.3							6.0	7.0
.5								8.3	5.5
1.5								7.5	6.5
1.1	.5							7.0	6.0
								3.8	3.3
.3								3.8	5.1
.4	.3	.1						4.6	7.6
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOUR

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN K 1-3	4-6	7-10	11-16	17-21	22-27	28-
N	1.5	2.7	1.9	3.4	1.0	.2	
NNE	1.1	2.3	3.7	1.2			
NE	1.6	1.7	2.4	2.2			
ENE	.6	.8	.8	.5	.1		
E	.8	.7	.7	.1			
ESE	.7	.4	.4	.1			
SE	.5	.6	.7	.1			
SSE	.2	.4	.7	.5			
S	.8	1.5	1.5	1.8	.1		
SSW	1.6	1.7	2.3	1.9			
SW	2.9	2.4	2.7	.8			
WSW	2.1	1.3	2.5	1.6			
W	1.5	.8	1.7	1.3	.2		
WNW	.4	.7	.7	.6	.1		
NW	.5	1.5	1.9	.6			
NNW	.4	1.3	1.7	1.1			
VARIABLE				.1			
CALM	//						
TOTALS	17.0	20.8	26.5	18.0	1.6	.2	

TOTAL NUMBER OF OBSERVATIONS: 827

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

RD UK PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): 0600-0800

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
1.0	.2						10.6	9.4
							8.3	7.4
							7.9	7.7
.1							2.9	7.1
							2.4	5.5
							1.6	4.9
							1.9	6.2
							1.8	8.6
.1							5.7	8.1
							7.5	7.6
							8.8	5.9
							7.5	7.1
.2							5.6	7.5
.1							2.5	7.8
							4.5	7.1
							4.5	8.0
							.1	16.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	.5	1.4	3.6	4.2	1.3	.4	
NNE	1.0	2.5	3.1	2.3	.5		
NE	1.0	.4	2.9	3.3	.1		
ENE	1.0	1.8	1.2	.8	.1		
E	1.0	1.3	2.0	.5			
ESE	.8	.5	1.0	.4			
SE	.2	.1	.2	.4	.1		
SSE	.1	.1	1.2	.8		.1	
S	.8	1.3	1.8	2.2	1.0		
SSW	.7	1.9	2.7	1.4	.4		
SW	.8	1.6	1.9	1.8	.5		
WSW	.6	1.2	2.0	3.5	.5		
W	1.2	.7	1.6	2.7	1.0		
WNW	.4	1.1	1.4	1.6	.4		
NW	.7	.7	2.4	1.7	.1		
NNW	.7	.8	2.0	1.6			
VARIABLE			.7	.5			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////
TOTALS	11.6	17.6	31.9	29.5	5.9	.5	

TOTAL NUMBER OF OBSERVATIONS: 830

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

RD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): 0900-1100

WIND SPEED IN KNOTS								
17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
1.3	.4						11.4	11.1
.5							9.4	8.7
.1							7.6	9.9
.1							4.9	6.9
							4.8	7.0
							2.7	6.5
.1							1.1	9.3
	.1						2.4	10.7
1.0							7.1	9.9
.4							7.1	8.8
.5							6.6	9.3
.5							7.8	10.4
1.0							7.1	10.1
.4							4.8	9.2
.1							5.7	8.9
							5.2	8.5
							1.2	10.1
//////////							3.0	//////
5.9	.5						100.0	9.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOU

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN 1-3	4-6	7-10	11-16	17-21	22-27	28
N	.5	1.5	3.9	3.2	1.3		
NNE	.2	2.3	2.9	2.7	.6		
NE	.6	1.3	2.8	2.9	.2		
ENE	.4	.5	1.0	1.2	.1		
E	.5	.9	1.2	.7			
ESE	.5	.5	1.0	1.2			
SE	.1	.4	1.2	1.2			
SSE	.5		.7	1.8	.1		
S	.5	.9	2.6	1.1	.5	.4	
SSW	1.1	1.5	3.7	4.0	.5		
SW	.6	1.1	2.0	1.8	.7	.2	
WSW	.4	.2	1.3	2.8	1.1	.1	
W	.2	.5	1.8	2.3	.7	.2	
WNW	.1	.5	2.1	1.6			
NW	.4	1.5	2.0	2.3	.5		
NNW	.1	1.1	1.2	2.6			
VARIABLE	.1		2.3	1.7	.1		
CALM	//////////	//////	//////	//////	//////	//////	//////
TOTALS	6.9	14.6	33.8	35.4	6.6	1.0	

TOTAL NUMBER OF OBSERVATIONS: 817

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

ORD UK PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): 1200-1400

WIND SPEED IN KNOTS							TOTAL	MEAN
17-21	22-27	28-33	34-40	41-47	48-55	GE 56	%	WIND
1.3							10.4	10.5
.6							8.8	9.6
.2							8.0	9.8
.1							3.2	9.3
							3.3	8.1
							3.2	8.3
							2.9	9.3
.1							3.2	10.7
.5	.4						5.9	10.0
.5							10.8	9.5
.7	.2						6.5	10.3
1.1	.1						6.0	12.3
.7	.2						5.9	12.3
							4.3	9.3
.5							6.6	9.9
							5.0	10.2
.1							4.3	10.4
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN 1-3	4-6	7-10	11-16	17-21	22-27	2
N	1.2	2.9	4.0	3.8	.7	.1	
NNE	.7	2.6	3.0	2.2	.4		
NE	.9	1.5	3.0	2.8	.4		
ENE	.6	1.1	1.0	1.0	.2		
E	.4	1.0	1.0	.7			
ESE	.7	.7	.7	.6			
SE	.2	.4	1.5	.7			
SSE	.1	.7	.6	.7	.1		
S		1.3	2.4	2.6	.5	.5	
SSW	.5	1.2	2.6	2.4			
SW	.4	.6	2.4	1.6	.4	.5	
WSW	.4	1.2	2.3	3.0	1.3	.2	
W	.2	.5	2.7	1.2	.7		
WNW	.3	.9	2.4	2.1	.6		
NW	.1	.6	2.6	1.6	.9		
NNW	.2	.9	1.5	1.9	.1		
VARIABLE			1.3	.5	.1		
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	7.2	18.0	35.1	29.5	6.5	1.3	

TOTAL NUMBER OF OBSERVATIONS: 821

URFACY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
OBSE FROM HOURLY OBSERVATIONS

ORD UK PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): 1500-1700

S	WIND SPEED IN KNOTS								
34	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	.7	.1						12.8	9.5
	.4							8.9	8.6
	.4							8.5	9.6
	.2							3.9	8.2
								3.0	7.2
								2.8	6.8
								2.8	9.0
	.1							2.3	9.2
	.5	.5						7.3	11.2
								6.7	9.1
	.4	.5						5.8	10.8
	1.3	.2						8.5	11.6
	.7							5.4	10.2
	.6							6.5	10.0
	.9							5.7	10.8
	.1							4.6	9.9
	.1							1.9	10.2
////	//							2.4	//////
	6.5	1.3						100.0	9.5

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF S
USAFETAC FROM HOURLY
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.5	2.5	3.0	2.7	.6		
NNE	1.9	3.1	3.0	1.9	.1		
NE	1.0	2.4	1.5	1.9			
ENE	1.2	.9	.4	.7			
E	1.5	.7	.6	.3			
ESE	.7	1.2	.6				
SE	.9	1.0	.3				
SSE	.6	.4	1.0	.7			
S	1.2	1.9	1.9	2.1	.1	.1	
SSW	.9	2.4	1.6	.6	.4	.1	
SW	.9	3.0	3.0	1.0	.4	.3	
WSW	.4	2.4	2.8	2.1		.1	
W	1.2	1.9	1.8	1.5	.1		
WNW	1.8	.9	.9	.3			
NW	.7	.7	.9	.4			
NNW	.7	1.2	1.6	.4			
VARIABLE			.3				
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	18.2	26.7	25.2	16.8	1.9	.7	

TOTAL NUMBER OF OBSERVATIONS: 674

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

RD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): 1800-2000

WIND SPEED IN KNOTS 7-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.6							11.3	7.7
.1							10.1	7.0
							6.8	7.4
							3.3	6.5
							3.1	5.0
							2.5	4.9
							2.2	3.9
							2.8	7.7
.1	.1						7.4	8.5
.4	.1						6.1	7.6
.4	.3						8.6	8.3
	.1						7.9	8.5
.1							6.5	7.5
							3.9	5.2
							2.8	6.4
							4.0	6.9
							.3	9.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.6	2.8	2.0	2.5	.6		
NNE	2.9	3.7	1.5	1.6			
NE	1.3	1.5	2.2	2.3			
ENE	.3	.6	.4	.3			
E	.6	.6	.4	.3	.1		
ESE	.4	.4	.1				
SE	.7	.1	.3				
SSE	.1	.4	.3				
S	1.8	1.5	1.9	1.9			
SSW	2.9	4.1	1.8	.9			
SW	2.2	2.9	2.2	1.9	.4	.3	
WSW	1.3	1.9	2.8	.3			
W	2.3	1.6	1.2	.6	.3		
WNW	2.2	.6	.3	.1			
NW	.7	1.2	.6				
NNW	.7	.7	1.2	.3			
VARIABLE							
CALM	//						
TOTALS	23.3	24.6	19.2	13.0	1.5	.3	

TOTAL NUMBER OF OBSERVATIONS: 683

E
VA

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

D UK

PERIOD OF RECORD: 75-76,81-87
MONTH: APR HOURS(LST): 2100-2300

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
-21	22-27	28-33	34-40	41-47	48-55	GE 56		
.6							10.5	7.7
							9.7	6.0
							7.3	8.2
							1.6	7.2
.1							2.0	6.9
							1.0	4.3
							1.2	4.3
							.9	5.5
							7.0	7.4
							9.7	5.5
.4	.3						10.0	7.7
							6.3	6.5
.3							6.0	5.8
							3.2	3.6
							2.5	4.8
							2.9	6.3
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN 1-3	4-6	7-10	11-16	17-21	22-27	28
N	1.9	2.4	2.9	3.1	.7	.1	
NNE	1.5	2.8	2.9	1.8	.2		
NE	1.1	1.5	2.2	2.3	.1		
ENE	.6	.9	.8	.7	.1		
E	.7	.8	.8	.4	.0		
ESE	.6	.6	.5	.3			
SE	.5	.4	.6	.4	.0		
SSE	.3	.4	.8	.6	.0	.0	
S	.9	1.3	1.9	1.8	.3	.1	
SSW	1.4	1.9	2.3	1.7	.3	.0	
SW	1.6	2.3	2.3	1.4	.3	.2	
WSW	1.2	1.5	2.3	2.0	.4	.1	
W	1.5	1.1	1.6	1.4	.5	.0	
WNW	1.0	.8	1.1	.8	.1		
NW	.6	1.2	1.5	.9	.2		
NNW	.6	1.1	1.6	1.2	.1	.0	
VARIABLE	.0		.6	.4	.0		
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	16.1	21.0	26.8	21.2	3.5	.5	

TOTAL NUMBER OF OBSERVATIONS: 6165

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

RFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): ALL

	WIND SPEED IN KNOTS								
	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
1	.7	.1						11.2	8.8
8	.2							9.1	7.5
3	.1							7.3	8.6
7	.1							3.1	7.5
4	.0							2.7	6.6
3								1.9	6.2
4	.0							1.9	7.1
3	.0	.0						2.1	8.8
6	.3	.1						6.4	8.9
7	.3	.0						7.6	7.8
4	.3	.2						8.1	7.8
5	.4	.1						7.4	8.8
4	.5	.0						6.2	8.2
3	.1							3.9	7.3
4	.2							4.5	7.9
2	.1	.0						4.6	8.3
4	.0							1.0	10.3
////	////	////	////	////	////	////	////	10.9	////
2	3.5	.5						100.0	7.2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	4.1	3.9	1.7	1.3	.1		
NNE	3.2	2.9	1.6	.5			
NE	1.4	2.2	2.1	.8			
ENE	1.2	1.4	.5				
E	1.2	1.2	.4	.1			
ESE	.8	.7	.1	.1			
SE	.3	.7	.5				
SSE	.3	.8	.8	.1			
S	1.3	2.1	3.2	.9			
SSW	1.1	1.8	3.2	3.4			
SW	2.0	2.1	1.6	2.0	.1		
WSW	1.8	1.6	2.4	1.1	.3		
W	2.1	1.6	.5	.3			
WNW	.4	1.1	.8				
NW	.4	1.3	1.1	.1			
NNW	1.1	.9	.4	.3			
VARIABLE							
CALM	//						
TOTALS	22.5	26.3	20.8	11.1	.5		

TOTAL NUMBER OF OBSERVATIONS: 760

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

RFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): 0000-0200

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
.1							11.2	5.5
							8.2	5.1
							6.6	6.3
							3.2	4.6
							2.9	4.9
							1.7	4.1
							1.4	5.4
							2.0	6.5
							7.5	6.9
							9.5	8.4
.1							7.8	7.4
.3							7.1	7.3
							4.5	4.4
							2.2	5.5
							2.9	6.0
							2.6	4.8
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.9	3.3	2.1	.8			
NNE	3.3	3.7	2.7	.7			
NE	1.4	2.1	2.1	1.2			
ENE	1.0	2.0	1.0	.1			
E	2.1	1.0	.1				
ESE	.5	.8	.4				
SE	.5	.8	.5	.3			
SSE	.7	.9	.7	.1			
S	1.0	1.2	2.1	1.0			
SSW	.8	1.3	4.4	2.5	.1		
SW	1.6	1.6	1.4	1.8	.1		
WSW	1.4	1.0	1.3	1.2	.1		
W	2.2	.8	1.6	.4			
WNW	.9	1.3	.1	.4			
NW	1.4	.5	.7				
NNW	.5	2.0	1.2	.3			
VARIABLE							
CALM	//						
TOTALS	22.3	24.2	22.5	10.7	.4		

TOTAL NUMBER OF OBSERVATIONS: 766

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

UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): 0300-0500

WIND SPEED IN KNOTS 1	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							9.0	5.4
							10.3	5.2
							6.8	6.5
							4.2	5.3
							3.3	3.1
							1.7	5.0
							2.1	5.7
							2.3	5.1
							5.4	7.4
.1							9.1	8.9
.1							6.5	7.6
.1							5.1	7.2
							5.0	5.1
							2.7	5.3
							2.6	4.2
							3.9	5.9
//							20.0	//////
.4							100.0	4.9

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.5	3.2	3.9	1.9	.1		
NNE	1.4	2.1	3.3	1.4	.6		
NE	1.4	2.7	4.3	1.1			
ENE	1.1	1.8	2.3	.2			
E	1.2	1.2	.5	.2			
ESE	1.3	.4	.6	.1			
SE	.4	.4	1.2	.4			
SSE	1.2	.7	1.4	.5			
S	1.0	1.4	2.3	2.3	.5		
SSW	.8	1.4	3.0	3.4	.6		
SW	.8	1.5	2.0	3.1	.1		
WSW	1.1	1.0	1.3	2.1	.2		
W	1.0	1.0	1.1	.6			
WNW	.8	1.2	.7	.4			
NW	.7	.7	1.3	.7			
NNW	.6	1.0	2.4	1.2			
VARIABLE			.2				
CALM	//						
TOTALS	16.3	21.6	31.7	19.6	2.1		

TOTAL NUMBER OF OBSERVATIONS: 842

E W
VAT

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

FORD UK — PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): 0600-0800

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
.1							10.7	7.5
.6							8.9	7.8
							9.5	7.3
							5.3	6.1
							3.1	5.1
							2.4	4.6
							2.3	6.9
							3.8	6.2
.5							7.4	9.2
.6							9.3	9.8
.1							7.6	9.1
.2							5.7	8.8
							3.6	6.3
							3.1	6.1
							3.4	7.5
							5.1	7.8
							.2	8.5
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HO

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN 1-3	4-6	7-10	11-16	17-21	22-27	2
N	.6	1.8	3.8	3.8	.1		
NNE	.8	2.6	2.4	1.2	.8	.4	
NE	.7	2.2	4.3	2.7	.2		
ENE	.2	1.1	2.4	.9	.2		
E	1.2	1.5	1.5	.7			
ESE	.5	.6	.7	.6			
SE	.6	.7	.4	1.2			
SSE	.4	.9	.9	1.1			
S	.7	1.2	1.7	2.8	.5	.2	
SSW	.2	1.4	4.1	3.8	.2	.1	
SW	.7	1.1	2.1	2.7	.6		
WSW	.5	.7	1.7	3.9	.5	.4	
W	.5	1.1	.6	1.9	.5		
WNW	.8	.8	1.3	1.4			
NW	.4	.6	1.8	1.8	.2		
NNW	.4	.9	2.6	1.2			
VARIABLE			1.3	.2			
CALM	//						
TOTALS	9.1	19.2	33.4	31.9	3.9	1.1	

TOTAL NUMBER OF OBSERVATIONS: 847

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

RD UK PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): 0900-1100

WIND SPEED IN KNOTS 34-	7-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	.1							10.0	9.2
	.8	.4						8.1	9.1
	.2							10.2	8.6
	.2							4.8	8.8
								5.0	6.7
								2.4	7.3
								2.8	7.8
								3.3	8.3
	.5	.2						7.1	10.3
	.2	.1						9.9	10.3
	.6							7.2	10.0
	.5	.4						7.6	12.2
	.5							4.5	10.0
								4.4	8.0
	.2							4.7	9.8
								5.1	8.2
								1.5	8.8
////	////	////	////	////	////	////	////	1.4	//////
	3.9	1.1						100.0	9.2

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
USAFETAC FROM HOURLY O
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.6	2.4	3.9	3.2	.1		
NNE	1.1	1.7	1.2	1.6	.8	.4	
NE	1.3	2.1	2.3	2.4	.4		.1
ENE	.4	1.3	1.3	2.0			
E	.5	2.3	2.0	1.0	.2		
ESE	.4	.4	1.2	.5			
SE	.5	.5	1.0	.7			
SSE	.5	.5	2.3	.8			
S	.7	.7	1.9	3.7	.1		
SSW	.7	.8	2.1	4.1	1.3	.1	
SW	.7	1.0	2.7	1.9	.6	.2	
WSW	.4	.2	1.6	3.2	2.0	.8	.1
W	.4	1.0	1.8	1.8	.7	.4	
WNW	.2	1.0	1.2	1.1	.1		
NW	.8	.6	1.6	1.1	.2		
NNW	.5	1.2	1.4	1.4	.1		
VARIABLE		.1	2.0	1.0			
CALM	//						
TOTALS	9.5	17.7	31.5	31.4	6.8	1.9	.2

TOTAL NUMBER OF OBSERVATIONS: 838

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

UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): 1200-1400

WIND SPEED IN KNOTS '1	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.1							10.3	8.9
.8	.4						6.7	9.9
.4		.1					8.6	8.7
							5.0	8.9
.2							6.0	8.0
							2.4	7.9
							2.6	8.1
							4.1	8.3
.1							7.2	10.7
1.3	.1						9.2	11.4
.6	.2						7.2	10.2
2.0	.8	.1					8.4	14.4
.7	.4						6.0	11.5
.1							3.6	9.1
.2							4.3	8.4
.1							4.7	8.7
							3.1	9.5
//							1.0	//////
6.8	1.9	.2					100.0	9.8

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SUR
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.8	2.3	4.9	2.5	.1		
NNE	.8	2.2	1.4	1.6	1.1		
NE	1.1	1.2	2.6	1.8	.8	.1	
ENE		1.8	1.4	1.4			
E	.7	1.4	1.6	.8			
ESE	.4	1.6	1.0	.7			
SE	.5	1.0	1.8	.2			
SSE	.4	.6	1.1	1.4			
S	.6	1.1	2.8	2.9	.1	.2	
SSW	.6	.8	2.8	3.8	1.2	.1	
SW	.2	1.6	2.2	2.5	.1		
WSW	.5	.6	2.4	3.9	2.2	1.0	
W	.2	1.1	1.0	1.6	1.0	.5	
WNW	.4	.6	1.4	1.4		.1	
NW	.2	.5	1.3	.7	.4		
NNW	.5	.7	1.8	1.4			
VARIABLE			2.2	.2			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	7.9	18.9	33.5	29.1	6.9	2.0	

TOTAL NUMBER OF OBSERVATIONS: 836

NI
TI OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): 1500-1700

WIND SPEED IN KNOTS 1	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.1							10.6	8.3
.1							7.1	9.2
.8	.1						7.7	9.8
							4.7	8.6
							4.5	7.0
							3.6	7.0
							3.5	6.8
							3.5	8.8
.1	.2						7.7	10.1
.2	.1						9.3	11.0
.1							6.6	9.5
2.2	1.0						10.5	13.4
1.3	.5						5.3	12.2
	.1						3.9	9.8
.4							3.1	9.7
							4.4	8.7
							2.4	9.0
//							1.7	//////
6.9	2.0						100.0	9.6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	3.2	3.6	3.2	1.1			
NNE	2.2	2.2	.7	1.3			
NE	1.1	1.1	2.4	.4	.1		
ENE	1.0	1.7	.7	.4			
E	1.1	1.1	.7	.3			
ESE	1.4	.3	.3	.1			
SE	1.0	1.1	.6	.1			
SSE	.8	1.1	1.4	.6			
S	1.4	1.8	4.1	2.0	.3		
SSW	.7	2.0	3.6	3.4	.4		
SW	1.1	1.3	1.8	1.7			
WSW	.3	1.1	3.1	2.7	1.7	.4	
W	1.5	1.8	2.7	1.5	.1		
WNW	1.1	.4	.3	.6			
NW	.6	1.1	.7	.8			
NNW	1.1	2.5	2.1	.7			
VARIABLE			.6				
CALM	////	////	////	////	////	////	////
TOTALS	19.8	24.4	28.9	17.7	2.7	.4	

TOTAL NUMBER OF OBSERVATIONS: 713

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

RD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): 1800-2000

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							11.2	5.8
							6.5	6.0
.1							5.2	7.0
							3.8	5.4
							3.2	5.6
							2.1	4.1
							2.8	5.2
							3.9	6.5
.3							9.5	8.0
.4							10.1	9.3
							5.9	8.0
1.7	.4						9.3	11.8
.1							7.7	7.4
							2.4	6.0
							3.2	7.2
							6.5	6.4
							.6	9.3
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOUR

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN K 1-3	4-6	7-10	11-16	17-21	22-27	28-
N	4.1	2.6	1.6	1.1			
NNE	3.0	3.6	1.3	.7			
NE	2.4	2.8	.9	.3			
ENE	.6	.6	.7	.3			
E	1.0	1.0	.6	.4			
ESE	1.3	.7	.3				
SE	.3	.6	.1	.1			
SSE	.6	1.1	.3	.6			
S	1.0	3.1	4.3	1.3			
SSW	1.6	2.1	3.8	2.3	.1	.3	
SW	3.0	2.6	2.3	1.6			
WSW	2.0	1.4	2.3	2.1	.1		
W	2.0	1.8	.6				
WNW	1.1	.4	.4				
NW	1.8	.7	.7				
NNW	.9	1.3	1.3	.4			
VARIABLE							
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	26.6	26.4	21.3	11.2	.3	.3	

TOTAL NUMBER OF OBSERVATIONS: 704

FA
SE OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

K PERIOD OF RECORD: 75-76,81-87
MONTH: MAY HOURS(LST): 2100-2300

34. IND SPEED IN KNOTS 22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
						9.4	5.5
						8.5	5.1
						6.4	4.6
						2.1	5.9
						3.0	5.7
						2.3	3.6
						1.1	5.6
						2.6	6.0
						9.7	7.2
.1	.3					10.2	8.3
						9.4	6.1
.1						8.0	7.7
						4.4	4.1
						2.0	3.8
						3.3	3.9
						3.8	6.3
///						13.9	//////
.3	.3					100.0	5.2

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
USAFETAC FROM HOURLY O
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.1	2.9	3.2	2.0	.1		
NNE	1.9	2.6	1.9	1.1	.4	.1	
NE	1.3	2.1	2.7	1.4	.2	.0	.0
ENE	.7	1.5	1.3	.7	.0		
E	1.1	1.4	1.0	.5	.0		
ESE	.8	.7	.6	.3			
SE	.5	.7	.8	.4			
SSE	.6	.8	1.1	.7			
S	1.0	1.5	2.7	2.2	.2	.1	
SSW	.8	1.4	3.4	3.4	.5	.1	
SW	1.2	1.6	2.0	2.2	.2	.0	
WSW	1.0	.9	2.0	2.6	.9	.3	.0
W	1.2	1.2	1.2	1.0	.3	.1	
WNW	.7	.9	.8	.7	.0	.0	
NW	.8	.7	1.2	.7	.1		
NNW	.7	1.3	1.7	.9	.0		
VARIABLE		.0	.8	.2			
CALM	//						
TOTALS	16.3	22.1	28.2	20.8	3.1	.7	.0

TOTAL NUMBER OF OBSERVATIONS: 6306

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

D UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): ALL

WIND SPEED IN KNOTS								
-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.1							10.3	7.1
.4	.1						8.0	7.1
.2	.0	.0					7.7	7.6
.0							4.2	7.0
.0							3.9	6.1
							2.3	5.7
							2.4	6.7
							3.2	7.2
.2	.1						7.6	8.8
.5	.1						9.6	9.7
.2	.0						7.2	8.5
.9	.3	.0					7.7	10.9
.3	.1						5.1	8.0
.0	.0						3.1	7.2
.1							3.5	7.5
.0							4.5	7.3
							1.0	9.2
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	3.1	1.0	.7	.6			
NNE	1.9	2.8	1.6	.3			
NE	2.8	2.2	3.5	.7			
ENE	1.5	.6	1.7				
E	1.0	.3	.6				
ESE	.3	.3					
SE	.7		.3				
SSE	.3	.4	.3	.1			
S	2.3	1.0	1.2	.3			
SSW	3.2	4.5	2.0	1.2			
SW	4.2	4.2	1.6		.1		
WSW	2.9	2.8	3.2	1.6			
W	4.1	2.0	1.2	.6			
WNW	2.0	.9	.3	.1			
NW	1.3	2.0	1.0				
NNW	.7	1.6	.3	.1			
VARIABLE	.1						
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	32.5	26.6	19.5	5.7	.1		

TOTAL NUMBER OF OBSERVATIONS: 687

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

UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 0000-0200

WIND SPEED IN KNOTS 21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							5.4	4.5
							6.6	5.2
							9.2	6.1
							3.8	5.7
							1.9	4.4
							.6	3.3
							1.0	4.0
							1.2	6.0
							4.8	5.0
							10.9	5.6
.1							10.2	4.6
							10.5	6.6
							7.9	4.5
							3.3	3.9
							4.4	4.9
							2.8	4.9
							.1	1.0
///							15.6	//////
.1							100.0	4.4

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.3	1.7	.9	.4			
NNE	3.2	3.0	1.6	.1			
NE	1.9	2.6	2.7	1.0			
ENE	1.4	.9	.9				
E	.6	.1	.3				
ESE	.6	.1	.3				
SE	.7	.4	.1				
SSE	.3	.3					
S	1.4	1.7	2.1	.4			
SSW	3.2	2.4	2.0	1.1			
SW	3.4	3.6	3.2	.3	.1		
WSW	3.9	1.7	3.7	1.1			
W	3.2	1.6	2.7	.7			
WNW	1.3	1.3	.3				
NW	1.9	1.7	.9	.3			
NNW	.7	.7	.6				
VARIABLE							
CALM	////	////	////	////	////	////	////
TOTALS	29.8	23.9	22.2	5.6	.1		

TOTAL NUMBER OF OBSERVATIONS: 698

CE
RVANCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

ORD UK PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 0300-0500

-40 WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							5.3	4.8
							7.9	4.7
							8.2	6.4
							3.2	4.5
							1.0	4.0
							1.0	4.4
							1.3	3.3
							.6	4.0
							5.7	6.0
							8.7	5.8
.1							10.6	5.3
							10.5	6.1
							8.2	5.7
							2.9	3.9
							4.7	4.7
							2.0	5.3
////							18.3	//////
.1							100.0	4.4

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.3	2.6	2.3	.8			
NNE	2.4	2.3	1.2				
NE	2.8	3.2	3.0	1.9			
ENE	.9	1.8	1.1	.5			
E	1.8	.8	.8				
ESE	.1		.7				
SE	.3	.8	.1	.3			
SSE	.1	.4	.1	.1			
S	.7	1.1	2.0	.9			
SSW	1.5	2.3	3.0	1.8	.1		
SW	2.3	3.4	5.4	1.9	.1		
WSW	2.3	2.6	4.0	2.4	.3		
W	2.2	1.1	1.8	1.1			
WNW	.5	1.2	.9	.8	.1		
NW	.4	1.2	.8	.9			
NNW	.5	1.2	1.8	.5			
VARIABLE			.7	.1			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	21.2	25.9	29.6	14.2	.7		

TOTAL NUMBER OF OBSERVATIONS: 742

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

UK PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 0600-0800

WIND SPEED IN KNOTS 21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							8.0	5.9
							5.9	4.5
							10.9	6.4
							4.3	6.3
							3.4	4.0
							.8	6.8
							1.5	6.2
							.8	6.2
							4.7	7.8
.1							8.6	7.6
.1							13.1	7.2
.3							11.6	7.6
							6.1	6.2
.1							3.6	7.6
							3.4	7.4
							4.0	7.1
							.8	9.2
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.9	1.7	2.9	.8			
NNE	1.2	3.2	2.3	.5			
NE	1.5	1.6	3.3	2.0	.1		
ENE	.9	1.5	1.6	1.2			
E	1.5	1.2	1.1	.1			
ESE	.5	.8	.9	.1			
SE	.1	.3	.8	.8			
SSE	.1	.1	.9	.4			
S	.4	1.3	1.7	2.3	.1		
SSW	.3	1.5	2.9	2.9	.3	.1	
SW	.9	1.7	5.1	2.4	.4		
WSW	.8	1.3	4.1	4.9	.7		
W	.8	1.3	2.4	2.3	.5		
WNW	.7	.4	2.4	1.6			
NW	.7	1.6	2.9	.9			
NNW	.5	.9	2.0	.8			
VARIABLE			1.7	.5			
CALM	//						
TOTALS	11.9	20.6	39.3	24.7	2.1	.1	

TOTAL NUMBER OF OBSERVATIONS: 749

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

UK PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 0900-1100

WIND SPEED IN KNOTS 1	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							6.4	6.9
							7.2	6.1
.1							8.5	7.6
							5.2	7.2
							3.9	4.9
							2.4	5.9
							2.0	9.1
							1.6	8.3
.1							5.9	9.4
.3	.1						8.0	10.1
.4							10.5	9.0
.7							11.9	10.3
.5							7.3	9.3
							5.1	9.2
							6.1	7.6
							4.3	7.7
							2.3	9.2
//							1.3	//////
2.1	.1						100.0	8.2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.8	2.2	2.0	.9			
NNE	1.3	1.9	1.2	.9			
NE	1.1	2.2	2.3	2.0			
ENE	.7	1.1	2.2	1.3	.1		
E	.3	.9	1.1	.7			
ESE	.4	.5	.5				
SE		1.1	.7	.8			
SSE	.7	.7	1.2	.4			
S	.3	1.8	2.4	1.9	.8		
SSW	.3	.4	2.7	2.3	.3	.3	
SW	.1	1.9	2.8	3.8	.7	.1	
WSW	.1	1.2	3.2	6.6	1.5	.3	
W	.5	1.9	2.8	2.6	.5		
WNW	.1	1.8	2.2	2.4			
NW	.1	.9	2.2	1.2			
NNW	.5	1.3	2.6	.4	.3		
VARIABLE	.3	.1	3.1	1.1			
CALM	//						
TOTALS	7.7	21.8	35.2	29.4	4.2	.7	

TOTAL NUMBER OF OBSERVATIONS: 742

OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 1200-1400

D SPEED IN KNOTS 22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
						5.9	6.8
						5.4	6.3
						7.5	7.7
						5.4	8.6
						3.0	7.4
						1.5	5.8
						2.6	8.5
						3.0	6.8
						7.1	9.7
.3						6.2	10.7
.1						9.4	10.3
.3						12.9	12.2
						8.4	9.5
						6.5	9.2
						4.4	9.0
						5.1	7.6
						4.6	8.9
//						1.1	//////
.7						100.0	9.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.6	3.1	2.4	.9			
NNE	.4	.8	1.9	1.1			
NE	.8	1.5	2.4	2.1	.1		
ENE	.4	1.3	1.2	1.2			
E	1.5	.5	2.1	.7			
ESE	.3	.8	.1	.3			
SE	.4	.1	.5	.4			
SSE	.5	.8	1.1	.4			
S	.4	1.9	2.8	1.6	.7		
SSW	.4	.7	2.5	2.4	.4		
SW	.4	1.3	3.4	3.9	.9	.1	
WSW	.3	1.2	2.5	5.5	2.0		
W	.4	1.7	4.3	3.5	.7		
WNW	.7	.7	2.8	2.7	.3		
NW	.7	.5	2.3	.9	.1		
NNW	.4	1.3	2.4	.7			
VARIABLE			1.3	.8			
CALM	//////	//////	//////	//////	//////	//////	//////
TOTALS	9.5	18.4	36.2	29.1	5.2	.1	

TOTAL NUMBER OF OBSERVATIONS: 746

CE Y OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
RW FROM HOURLY OBSERVATIONS

RD UK PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 1500-1700

-47	7-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
								8.0	6.2
								4.2	8.3
	.1							7.0	8.4
								4.2	8.0
								4.8	6.7
								1.5	6.5
								1.5	7.5
								2.8	6.9
	.7							7.4	9.1
	.4							6.4	9.9
	.9	.1						10.1	10.7
	2.0							11.5	12.1
	.7							10.6	9.9
	.3							7.1	9.6
	.1							4.6	8.7
								4.8	7.6
								2.1	9.3
//	//							1.5	//////
	5.2	.1						100.0	8.9

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN						
	1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	1.8	4.7	2.2	.2			
NNE	1.5	2.3	1.3	.3			
NE	1.5	2.0	3.3	1.0			
ENE	1.0	1.8	1.5				
E	1.0	1.2	1.5	.5			
ESE	.8	.8	.2				
SE	.3		.7	.2			
SSE	1.2	.3	.7	.2			
S	1.3	2.0	2.7	1.8	.3		
SSW	.5	4.0	2.7	1.0			
SW	.2	.8	2.0	1.7	.3		
WSW	.7	1.8	4.0	5.7	1.0		
W	1.2	4.0	2.0	1.2			
WNW	1.3	1.0	3.0	1.3			
NW	1.0	2.0	2.7	1.0			
NNW	.5	1.3	1.5	.5			
VARIABLE			.8	.2			
CALM	//						
TOTALS	15.8	30.1	32.6	16.6	1.7		

TOTAL NUMBER OF OBSERVATIONS: 601

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

RFORD UK PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 1800-2000

WIND SPEED IN KNOTS							TOTAL	MEAN
17-21	22-27	28-33	34-40	41-47	48-55	GE 56	%	WIND
							8.8	5.1
							5.5	5.6
							7.8	7.1
							4.3	5.7
							4.2	6.0
							1.8	4.0
							1.2	8.3
							2.3	5.2
.3							8.2	8.0
							8.2	7.0
.3							5.0	10.2
1.0							13.1	10.7
							8.3	6.4
							6.7	7.3
							6.7	7.1
							3.8	7.3
							1.0	8.8
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO: 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.9	2.9	1.5	.3			
NNE	1.9	2.6	2.3	.2			
NE	1.9	1.1	2.7	1.5			
ENE	1.0	1.6	1.1	.2			
E	.8	.5	.5				
ESE	.5		.3				
SE	1.0	.2					
SSE	.8	.8	.5				
S	1.6	2.6	1.3	1.0			
SSW	3.2	3.7	.8	1.1			
SW	2.3	5.0	3.7	.8			
WSW	1.1	3.4	2.9	1.5			
W	1.6	3.1	1.5	.2			
WNW	1.5	1.3	.3	.2			
NW	1.1	2.6	.8	.2			
NNW	1.8	1.9	1.8	.3			
VARIABLE			.2	.3			
CALM	//						
TOTALS	25.0	33.3	22.1	7.6			

TOTAL NUMBER OF OBSERVATIONS: 619

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

UK

PERIOD OF RECORD: 75-76,81-86
MONTH: JUN HOURS(LST): 2100-2300

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
1-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							7.6	4.7
							6.9	5.6
							7.3	7.0
							3.9	6.2
							1.8	4.5
							.8	4.2
							1.1	2.7
							2.1	4.5
							6.5	5.8
							8.9	5.4
							11.8	6.0
							8.9	7.1
							6.3	5.3
							3.2	4.2
							4.7	5.3
							5.8	5.3
							.5	11.7
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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF
USAFETAG FROM HOURL
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-
N	1.9	2.4	1.9	.6			
NNE	1.7	2.3	1.7	.4			
NE	1.8	2.1	2.9	1.6	.0		
ENE	1.0	1.3	1.4	.6	.0		
E	1.1	.7	1.0	.3			
ESE	.4	.4	.4	.1			
SE	.4	.4	.4	.3			
SSE	.5	.5	.6	.2			
S	1.0	1.6	2.0	1.3	.3		
SSW	1.5	2.3	2.4	1.8	.1	.1	
SW	1.7	2.7	3.4	1.9	.4	.0	
WSW	1.5	2.0	3.5	3.7	.7	.0	
W	1.7	2.0	2.4	1.6	.2		
WNW	1.0	1.1	1.5	1.2	.1		
NW	.9	1.5	1.7	.7	.0		
NNW	.7	1.3	1.6	.4	.0		
VARIABLE	.1	.0	1.0	.4			
CALM	////////////

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

RFORD UK PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): ALL

4-4	WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
								6.9	5.7
								6.2	5.7
	.0							8.3	7.0
	.0							4.3	6.7
								3.0	5.5
								1.3	5.4
								1.5	6.8
								1.8	6.3
	.3							6.2	7.8
	.1	.1						8.2	7.6
	.4	.0						10.2	7.7
	.7	.0						11.4	9.3
	.2							7.9	7.4
	.1							4.8	7.6
	.0							4.8	6.9
	.0							4.1	6.8
								1.5	9.0
///	///							7.5	//////
	1.8	.1						100.0	6.7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.9	2.0	1.0	.1			
NNE	2.6	2.8	1.0	.1			
NE	2.6	2.9	1.3	.9			
ENE	.9	.9	.6				
E	.6	.4					
ESE	.4	.3	.1				
SE		.1					
SSE	.1	.3	.3				
S	1.5	2.8	2.0	.4			
SSW	3.1	6.0	2.8	2.3			
SW	3.9	6.0	3.7	1.0			
WSW	2.0	2.3	2.0	.4			
W	3.4	.6	1.0				
WNW	1.3	1.0	.3				
NW	1.3	1.3	.6				
NNW	.4	.6	.6				
VARIABLE			.1				
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	26.2	30.4	17.5	5.4			

TOTAL NUMBER OF OBSERVATIONS: 684

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

FORD UK

PERIOD OF RECORD: 75-76,81-86
MONTH: JUL HOURS(LST): 0000-0200

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							5.1	4.9
							6.6	4.4
							7.7	5.4
							2.3	4.9
							1.0	3.7
							.9	4.0
							.1	4.0
							.7	6.2
							6.7	5.8
							14.2	6.3
							14.6	5.4
							6.9	5.5
							5.0	3.6
							2.6	3.9
							3.2	4.3
							1.6	5.5
							.1	7.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SUR
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.0	1.1	1.4	.3			
NNE	1.3	3.4	1.0	.3	.1		
NE	2.7	2.1	1.7	.6			
ENE	1.7	.8	.7	.1			
E	.7	.6	.1				
ESE	.1	.3					
SE			.1				
SSE	.7	.1	.1	.1			
S	1.8	1.7	2.0	.3			
SSW	2.1	5.2	3.8	2.4			
SW	3.9	4.5	3.5	.8			
WSW	3.4	1.8	1.5	.3			
W	3.8	1.8	1.0				
WNW	1.4	.6	.3				
NW	.4	.6	.1	.1			
NNW	.6	.4	1.3				
VARIABLE			.1				
CALM	//						
TOTALS	26.5	25.0	18.8	5.3	.1		

TOTAL NUMBER OF OBSERVATIONS: 713

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

UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): 0300-0500

WIND SPEED IN KNOTS 21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							4.8	5.0
.1							6.0	5.5
							7.0	5.2
							3.4	4.6
							1.4	3.7
							.4	3.7
							.1	8.0
							1.1	4.0
							5.8	5.6
							13.5	6.9
							12.8	5.3
							7.0	4.3
							6.6	3.8
							2.2	3.5
							1.3	4.9
							2.2	5.9
							.1	8.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.9	1.7	2.1				
NNE	2.2	1.7	2.1	.4			
NE	1.3	2.9	2.3	1.0			
ENE	2.6	1.6	1.7	.3			
E	.7	.7	.4				
ESE	.1	.5					
SE	.3	.3	.3				
SSE	.4	.8					
S	.9	1.4	3.3	1.0			
SSW	2.1	3.3	5.1	2.0	.4		
SW	3.4	3.7	3.4	2.2			
WSW	3.0	2.7	2.7	1.0	.1		
W	2.7	3.0	2.9	.4			
WNW	.4	1.0	.9	.3			
NW	.8	.4	1.4	.7			
NNW	.3	1.2	1.0	.8			
VARIABLE			.5				
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	22.1	26.8	30.2	10.1	.5		

TOTAL NUMBER OF OBSERVATIONS: 766

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

RD UK PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): 0600-0800

WIND SPEED IN KNOTS 7-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							4.7	5.7
							6.4	5.6
							7.6	6.7
							6.1	5.0
							1.7	4.2
							.7	4.6
							.8	5.3
							1.2	3.9
							6.7	7.5
.4							12.8	7.6
							12.7	6.5
.1							9.7	5.8
							9.0	5.5
							2.6	6.6
							3.3	7.1
							3.3	7.7
							.5	9.0
//							10.4	//////
.5							100.0	5.7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.9	1.2	2.4	.1			
NNE	.4	1.4	1.2	1.2			
NE	1.4	1.8	2.8	.8			
ENE	.9	2.4	2.9	1.5			
E	1.2	.9	.9	.1			
ESE	.5	.5	.3				
SE	.6	.3	.3	.1			
SSE	.4	.3	.5	.1			
S	1.7	1.2	2.0	2.6	.3		
SSW	1.3	2.0	3.6	3.2	.4		
SW	1.3	2.8	3.8	3.1	.9		
WSW	.4	2.0	3.7	2.8	.6	.1	
W	.4	2.7	5.1	1.7			
WNW	.4	1.0	2.4	1.2			
NW	.3	1.0	2.0	1.2			
NNW	.3	1.4	1.9	1.2			
VARIABLE			3.2	.9			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	12.1	22.9	39.1	21.6	2.2	.1	

TOTAL NUMBER OF OBSERVATIONS: 782

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

RFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): 0900-1100

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							4.6	6.4
							4.1	7.7
							6.8	6.4
							7.8	7.6
							3.1	5.1
							1.3	4.6
							1.3	5.4
							1.3	6.1
.3							7.7	8.4
.4							10.5	8.7
.9							11.9	8.9
.6	.1						9.7	9.7
							9.8	8.2
							5.0	8.2
							4.5	8.6
							4.7	8.0
							4.1	9.4
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.7	1.2	1.6	1.6			
NNE	.1	1.3	1.7	.7			
NE	.9	1.3	1.6	.9			
ENE	.3	1.6	3.0	.8			
E	1.0	2.1	1.4	.4			
ESE	.5	1.0	.3	.1			
SE		.4	.4	.7			
SSE	.1	.4	.4				
S	.1	1.3	2.2	2.2	.4		
SSW	.5	1.3	2.5	2.6	.7		
SW	.5	1.4	3.1	3.9	1.7		
WSW		1.4	4.2	5.1	1.6	.1	
W	1.8	2.7	4.2	3.3			
WNW	.4	1.2	2.6	.8			
NW	.4	1.7	.9	.9	.1		
NNW	.7	2.0	2.9	.9			
VARIABLE		.1	5.2	.8			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	8.1	22.5	38.1	25.6	4.4	.1	

TOTAL NUMBER OF OBSERVATIONS: 766

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

ORD UK PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): 1200-1400

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							5.0	8.0
							3.8	7.7
							4.7	7.1
							5.6	8.0
							5.0	6.2
							2.0	5.2
							1.4	8.9
							.9	6.1
.4							6.3	10.1
.7							7.6	10.0
1.7							10.7	11.2
1.6	.1						12.4	11.6
							12.0	8.3
							5.0	8.3
.1							4.0	7.8
							6.4	7.6
							6.1	8.9
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOUR

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN K 1-3	4-6	7-10	11-16	17-21	22-27	28-
N	.4	1.8	2.4	1.4			
NNE		1.3	1.4	.4			
NE	.4	1.6	1.7	1.0			
ENE	.5	2.1	1.8	.5			
E	1.0	1.3	2.2	.1	.1		
ESE	.3	1.3	.3	.1			
SE	.3	.3	.5				
SSE	.4	.7	.4				
S	.9	.7	2.0	3.7	.1		
SSW	.5	.8	3.0	2.1	1.2	.1	
SW	1.2	1.8	2.1	3.3	.5		
WSW	.5	.7	3.9	8.7	1.7	.3	
W	.5	2.6	4.3	5.1	.4		
WNW	1.0	1.2	2.2	.9			
NW	.7	1.0	1.6	.8	.3		
NNW	.4	1.8	2.5	.3			
VARIABLE			2.6	.8			
CALM	////	////	////	////	////	////	////
TOTALS	9.0	21.0	35.0	29.2	4.3	.4	

TOTAL NUMBER OF OBSERVATIONS: 763

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

UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): 1500-1700

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
21	22-27	28-33	34-40	41-47	48-55	GE 56		
							6.0	8.0
							3.1	7.8
							4.7	7.5
							5.0	6.9
.1							4.8	6.6
							2.0	5.7
							1.0	5.9
							1.4	5.3
.1							7.3	10.1
1.2	.1						7.7	11.0
.5							8.9	9.6
1.7	.3						15.7	12.1
.4							13.0	9.7
							5.4	7.4
.3							4.3	8.4
							5.0	7.3
							3.4	9.5
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.3	2.2	1.8	.5			
NNE	1.7	3.0	2.0				
NE	1.2	1.8	1.7	.3			
ENE	1.3	1.3	1.2	.2			
E	.3	1.0	1.3				
ESE	.5	.7	.5				
SE	.8	.3	.2				
SSE		.3	.5				
S	1.0	1.2	2.6	2.0	.5		
SSW	.8	.8	3.3	.8			
SW	.3	1.5	4.8	3.0			
WSW	.7	3.0	6.5	7.1	.2		
W	1.3	3.1	3.5	2.0			
WNW	1.0	2.6	1.2	.2			
NW	1.7	1.2	1.7	.3			
NNW	1.7	1.8	3.1	.5			
VARIABLE			.2				
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	16.6	25.8	35.9	16.9	.7		

TOTAL NUMBER OF OBSERVATIONS: 604

ICE
ERVA

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

ORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): 1800-2000

4-4C	WIND SPEED IN KNOTS								
	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
								6.8	5.5
								6.6	5.1
								5.0	5.7
								4.0	5.2
								2.6	6.2
								1.7	5.2
								1.3	4.1
								.8	7.0
	.5							7.3	9.0
								5.8	7.8
								9.6	9.2
	.2							17.4	9.7
								9.9	7.4
								5.0	5.5
								4.8	5.7
								7.1	6.5
								.2	10.0
////	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SUR
FROM HOURLY OI

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	4.3	.5	2.1	.3			
NNE	4.0	3.7	1.6	.3			
NE	2.4	3.0	1.1	.5			
ENE	.8	1.1	.5				
E	1.0	.3	.2				
ESE	.2						
SE	.6	.3					
SSE	.5	.6	.3				
S	1.6	1.9	2.7	1.1			
SSW	2.1	4.6	2.1	.6			
SW	3.8	7.0	5.7	1.1			
WSW	1.8	2.6	3.5	1.0		.2	
W	3.0	2.1	.3				
WNW	1.0	1.9	.6				
NW	1.0	1.1	.8				
NNW	1.3	1.6	.6				
VARIABLE							
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	29.2	32.4	22.2	4.9		.2	

TOTAL NUMBER OF OBSERVATIONS: 627

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

D UK PERIOD OF RECORD: 75-76,81-86
MONTH: JUL HOURS(LST): 2100-2300

WIND SPEED IN KNOTS								
-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							7.2	4.7
							9.6	4.6
							7.0	4.9
							2.4	4.7
							1.4	2.9
							.2	3.0
							1.0	3.0
							1.4	4.4
							7.3	7.2
							9.4	5.6
							17.7	5.9
	.2						8.9	6.8
							5.4	3.5
							3.5	4.5
							2.9	4.6
							3.5	4.4
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	1.6	1.5	1.9	.6			
NNE	1.5	2.2	1.5	.4	.0		
NE	1.6	2.2	1.8	.8			
ENE	1.1	1.5	1.6	.5			
E	.8	.9	.8	.1	.0		
ESE	.3	.6	.2	.0			
SE	.3	.2	.2	.1			
SSE	.3	.4	.3	.0			
S	1.2	1.5	2.3	1.7	.2		
SSW	1.5	3.0	3.3	2.1	.4	.0	
SW	2.3	3.5	3.7	2.3	.4		
WSW	1.5	2.0	3.5	3.3	.6	.1	
W	2.1	2.3	2.9	1.6	.1		
WNW	.8	1.3	1.4	.4			
NW	.8	1.0	1.2	.5	.1		
NNW	.6	1.3	1.8	.5			
VARIABLE		.3	1.6	.3			
CALM							
TOTALS	18.3	25.6	29.9	15.3	1.6	.1	

TOTAL NUMBER OF OBSERVATIONS: 5705

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

ORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): ALL

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							5.5	6.1
.0							5.6	5.7
							6.3	6.1
							4.7	6.3
.0							2.7	5.5
							1.1	5.0
							.9	5.8
							1.1	5.2
.2							6.9	8.1
.4	.0						10.2	7.8
.4							12.3	7.5
.6	.1						10.9	9.0
.1							9.0	7.0
							3.9	6.5
.1							3.5	6.8
							4.2	6.9
							2.0	9.2
//							9.1	//////
1.6	.1						100.0	6.5

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
FROM HOURLY C

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.7	3.0	.9	.3			
NNE	4.0	2.2	.9				
NE	2.4	2.9	1.3				
ENE	1.3	.9	.7				
E	1.4	.3					
ESE	.1	.3	.3	.1			
SE	.1	.3	.6				
SSE	.7	.1	.4	.3			
S	1.1	2.0	2.4	1.0	.1		
SSW	2.6	4.5	3.2	.9			
SW	3.3	5.3	2.6	.4	.3		
WSW	3.6	1.3	1.6	.7			
W	2.6	1.3	.9				
WNW	1.3	.4	.1				
NW	1.1	.4	.1	.1			
NNW	1.6	.7	.7	.4			
VARIABLE							
CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////
TOTALS	30.2	25.9	16.7	4.3	.4		

TOTAL NUMBER OF OBSERVATIONS: 696

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

IRFORD UK PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 0000-0200

WIND SPEED IN KNOTS							TOTAL	MEAN
17-21	22-27	28-33	34-40	41-47	48-55	GE 56	%	WIND
.3							6.9	4.5
							7.0	3.8
.1							6.6	4.5
							2.9	4.6
							1.7	2.6
.1							.9	7.3
							1.0	6.7
.3							1.6	5.8
.0	.1						6.8	7.3
.0							11.1	5.9
.4	.3						11.9	5.7
.7							7.2	4.[illegible]
							4.7	4.2
							1.9	3.4
.1							1.9	4.0
.4							3.4	5.0
//							22.6	//////
4.3	.4						100.0	3.9

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOUR

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN K 1-3	4-6	7-10	11-16	17-21	22-27	28-
N	3.7	2.8	.8				
NNE	3.0	1.8	.8				
NE	2.8	1.8	1.4				
ENE	2.0	1.3	.6				
E	1.1	.4					
ESE	.1	.3	.1				
SE	.2	.4	.1				
SSE	.1	.8	.3	.6			
S	1.4	1.4	1.3	.8			
SSW	3.4	3.8	4.1	1.7			
SW	4.1	3.5	3.0	.4	.6		
WSW	4.2	2.1	.3	.7			
W	3.5	1.4	.7	.1			
WNW	.7		.1				
NW	.7	.4	.6				
NNW	.7	.6	.8				
VARIABLE			.1	.1			
CALM	//						
TOTALS	31.8	22.9	15.2	4.5	.6		

TOTAL NUMBER OF OBSERVATIONS: 711

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

AIRFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 0300-0500

	WIND SPEED IN KNOTS								
6	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
								7.3	3.8
								5.6	4.0
								6.0	4.2
								3.8	4.0
								1.5	3.0
								.6	5.8
								.8	4.2
6								1.8	7.3
9								4.9	6.3
7								12.9	6.2
4	.6							11.5	5.6
7								7.3	4.1
1								5.8	3.8
								.8	3.0
								1.7	4.6
								2.1	5.2
1								.3	10.5
////	////	////	////	////	////	////	////	25.0	////
5	.6							100.0	3.7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SI
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.1	2.0	2.0	.1			
NNE	3.7	2.4	.8	.3			
NE	2.3	2.3	1.7				
ENE	1.3	2.4	2.4	.1			
E	1.9	.9	.9	.1			
ESE	.4	.3	.4				
SE	.7	.1	.4	.1			
SSE	.1	.7	.9	.3			
S	1.2	1.2	2.0	1.1			
SSW	1.6	3.4	4.4	2.5	.1		
SW	3.3	3.6	3.8	1.5	.1		
WSW	2.1	2.5	2.5	1.3	.1		
W	2.1	1.1	1.6	.1			
WNW	.3	.7	.9	.5			
NW	.4	.3	.5	.5			
NNW	.4	.4	.8	.1	.1		
VARIABLE			.4	.3			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	23.4	23.7	26.5	9.0	.5		

TOTAL NUMBER OF OBSERVATIONS: 755

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

RD UK PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 0600-0800

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							6.2	4.9
							6.8	4.4
							6.2	4.7
							6.2	5.5
							3.4	4.3
							1.1	5.1
							1.3	5.2
							2.0	7.7
							5.4	7.1
.1							12.1	7.6
.1							12.3	6.3
.1							8.6	6.6
							4.9	5.0
							2.4	8.0
							1.7	7.6
.1							1.9	7.3
							.7	10.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOUR

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KI 1-3	4-6	7-10	11-16	17-21	22-27	28-
N	1.3	2.0	2.1	.3			
NNE	1.4	2.0	1.2	.7			
NE	2.9	2.6	1.6	.5			
ENE	1.0	1.6	2.9	1.2			
E	1.3	1.7	1.7	1.0			
ESE	.5	.5	.1	.7			
SE	.1	.5	.1	.9			
SSE	.5	.4	.5	.4			
S	1.2	.7	2.8	1.8	.1		
SSW	.9	1.4	2.4	3.7	.5	.1	
SW	1.3	1.8	3.4	4.1	.7		
WSW	.4	1.2	4.7	3.3	.1	.1	
W	.7	1.3	3.0	2.6			
WNW	.5	.9	1.3	.8			
NW	.3	.9	1.3	1.7			
NNW	.4	1.0	.7	.5			
VARIABLE		.1	2.6	.9			
CALM	////	////	////	////	////	////	////
TOTALS	14.8	20.7	32.4	25.0	1.4	.3	

TOTAL NUMBER OF OBSERVATIONS: 763

FA
SE NCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

ORD UK PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 0900-1100

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							5.6	6.0
							5.2	6.0
							5.6	5.2
							6.7	7.4
							5.8	6.8
							1.8	8.3
							1.7	8.7
							1.8	6.3
.1							6.6	8.3
.5	.1						9.0	10.1
.7							11.3	9.4
.1	.1						9.8	9.8
							7.6	9.0
							3.5	7.4
							4.2	9.7
							2.6	7.3
							3.7	9.7
//							5.4	//////
1.4	.3						100.0	7.7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-
N	1.1	1.8	2.2	.1			
NNE	.9	2.0	1.1	.4			
NE	.4	2.8	1.6	.5	.1		
ENE	.9	1.8	1.2	1.2			
E	1.2	1.2	2.4	.4			
ESE	.7	.5	.7	.9			
SE	.5	.9	1.1	.4			
SSE	.4	.8	.8	.5		.1	
S	.8	1.3	1.6	2.6		.1	
SSW	.9	2.2	2.1	4.1	.8		
SW	.8	2.4	3.4	3.7	.8	.1	
WSW	.5	1.2	2.1	4.6	1.6	.1	
W	.9	1.4	4.1	3.3	.4		
WNW	.4	.8	2.4	.8			
NW	.5	1.3	2.1	.7			
NNW	.4	1.4	1.1	.3			
VARIABLE		.3	3.4	1.4	.1		
CALM	////	////	////	////	////	////	////
TOTALS	11.3	24.2	33.2	25.9	3.8	.5	

TOTAL NUMBER OF OBSERVATIONS: 760

ACE
ERVICY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

ORD UK PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 1200-1400

4-4 WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							5.3	5.8
							4.3	6.3
.1							5.4	6.6
							5.1	6.9
							5.1	6.4
							2.8	7.8
							2.9	6.6
	.1						2.6	8.1
	.1						6.4	9.4
.8							10.1	10.2
.8	.1						11.2	9.9
1.6	.1						10.1	11.8
.4							10.1	9.4
							4.3	8.3
							4.6	7.4
							3.2	6.6
.1							5.3	9.8
///							1.1	///
3.8	.5						100.0	8.6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SUR
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.9	3.3	2.0	.4			
NNE	1.3	1.6	1.1	.5			
NE	1.7	2.1	1.6	.5			
ENE	.7	1.9	2.3	1.1			
E	.5	2.0	1.7	.3			
ESE	1.1	.7	.9	.4			
SE	.4	.7	.9	.3			
SSE	.4	.1	.9	.5			
S	.8	.5	.9	2.8	.4		
SSW	.5	1.7	3.6	3.1	.5		
SW	.7	1.7	2.4	2.1	.9		
WSW	.5	1.6	3.7	7.1	3.6		
W	1.2	2.1	2.8	3.3	.8		
WNW	.4	1.3	1.7	1.5			
NW	.8	.9	2.3	.8			
NNW	.8	.5	.8	.3			
VARIABLE			1.1	.5	.1		
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	12.8	22.5	30.8	25.5	6.4		

TOTAL NUMBER OF OBSERVATIONS: 750

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

D UK

PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 1500-1700

WIND SPEED IN KNOTS								
-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							6.7	5.9
							4.5	5.6
							6.0	6.0
							5.9	7.1
							4.5	6.3
							3.1	6.0
							2.3	6.6
							2.0	7.9
.4							5.5	10.9
.5							9.1	9.5
.9							7.9	9.5
3.6							16.5	12.0
.8							10.3	9.5
							4.9	7.9
							4.8	7.4
							2.4	6.1
.1							1.7	10.3
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	5.1	2.8	1.2	.2			
NNE	2.0	2.0	1.5	.3			
NE	1.2	.7	.7	.2			
ENE	.7	1.2	.7	.2			
E	2.0	.8	.8	.3			
ESE	.7	1.0	1.2	.2			
SE	1.2	.2	.5				
SSE	.8	.3	.5	.2			
S	.3	1.3	1.3	2.0			
SSW	1.7	2.2	2.5	1.8	.2		
SW	1.8	3.8	2.0	2.7	.5		
	1.2	2.8	5.3	5.3	.5		
	1.8	3.0	2.8	2.0	.2		
WNW	1.3	.7	1.2	.7			
NW	1.2	.5	.7	.5			
NNW	.8	1.3	1.0	.2			
VARIABLE				.2	.2		
CALM	//						
TOTALS	23.8	24.6	23.8	16.8	1.5		

TOTAL NUMBER OF OBSERVATIONS: 602

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

FORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 1800-2000

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							9.3	3.9
							5.8	5.3
							2.7	5.3
							2.7	5.6
							4.0	4.6
							3.0	6.1
							1.8	4.2
							1.8	5.3
							5.0	9.2
.2							8.3	7.5
.5							10.8	7.7
.5							15.1	9.3
.2							9.8	7.2
							3.8	6.6
							2.8	5.6
							3.3	5.7
.2							.3	15.5
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	4.6	1.8	1.6				
NNE	2.8	1.3	.7				
NE	1.8	2.1	1.8	.2			
ENE	.3	1.5	1.0				
E	.3	.7	.5				
ESE	.8	.5	.2	.3			
SE	.2						
SSE	.5	.7	.2	.3			
S	.7	2.3	1.6	1.0	.2		
SSW	3.3	4.4	2.4	1.1			
SW	2.6	5.4	2.4	1.1	.3		
WSW	1.8	4.1	2.9	1.3			
W	1.8	2.4	.3				
WNW	1.0	1.0	.3	.5			
NW	1.5	.8	.3				
NNW	1.1	1.6	1.0	.2			
VARIABLE				.2			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	24.9	30.5	17.3	6.2	.5		

TOTAL NUMBER OF OBSERVATIONS: 614

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

FAIRFORD UK

PERIOD OF RECORD: 75-76,81-86
MONTH: AUG HOURS(LST): 2100-2300

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
								8.0	3.9
								4.7	3.6
.2								5.9	4.9
								2.8	6.1
								1.5	5.2
.3								1.8	5.4
								.2	2.0
.3								1.6	5.9
1.0	.2							5.7	7.5
1.1								11.2	5.6
1.1	.3							11.9	6.2
1.3								10.1	6.4
								4.6	3.9
.5								2.8	5.6
								2.6	3.7
.2								3.9	4.8
.2								.2	16.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.6	2.4	1.6	.2			
NNE	2.3	1.9	1.0	.3			
NE	1.9	2.2	1.5	.2	.0		
ENE	1.0	1.6	1.5	.5			
E	1.2	1.0	1.0	.3			
ESE	.5	.5	.5	.3			
SE	.4	.4	.5	.2			
SSE	.4	.5	.6	.4		.0	
S	1.0	1.3	1.8	1.7	.1	.0	
SSW	1.8	2.9	3.1	2.4	.3	.0	
SW	2.2	3.4	2.9	2.0	.5	.0	
WSW	1.8	2.0	2.9	3.1	.8	.0	
W	1.8	1.7	2.1	1.5	.2		
WNW	.7	.7	1.0	.6			
NW	.8	.7	1.0	.6			
NNW	.8	.9	.8	.2	.0		
VARIABLE		.1	1.0	.5	.1		
CALM	//						
TOTALS	21.3	24.2	24.8	15.0	2.0	.1	

TOTAL NUMBER OF OBSERVATIONS: 5651

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

RFORD UK PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): ALL

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							6.8	4.8
							5.5	4.8
.0							5.9	5.2
							4.6	6.2
							3.5	5.5
							1.9	6.6
							1.5	6.2
	.0						1.9	7.0
.1	.0						5.8	8.3
.3	.0						10.5	7.8
.5	.0						11.1	7.5
.8	.0						10.5	8.8
.2							7.3	7.3
							3.1	7.0
							3.1	6.9
.0							2.8	5.9
.1							1.6	10.1
////////////

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURI
USAFETAC FROM HOURLY OB
AIR WEATHER SERVICE/MAC

STATION NUMBER: 03644J STATION NAME: PAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	3.8	.1	.3				
NNE	1.4	1.6	.7	.6			
NE	1.8	.6	.3	.1			
ENE	1.7	.7	.4	.3			
E	.9	.4	.4	.3			
ESE	.4	.1	.3				
SE	1.0	.4	.6				
SSE	.6	.1	.4	.7			
S	2.4	2.7	3.1	1.8	.1		
SSW	2.3	3.7	3.8	2.0	.6	.4	
SW	3.4	3.3	4.4	1.6	.1	.3	.1
WSW	4.3	2.1	1.3	1.4	.1		
W	4.3	1.3	.9	.6			
WNW	.9	.1	.7	.8			
NW	.6	1.6	.4	.1			
NNW	.1	.4					
VARIABLE							
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	39.4	18.9	18.0	9.6	1.0	.7	.1

TOTAL NUMBER OF OBSERVATIONS: 705

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

RD UK PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 0000-0200

WIND SPEED IN KNOTS 7-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							4.3	2.6
							4.3	5.6
							2.8	3.7
							3.1	4.6
							2.0	5.2
							.9	5.0
							2.0	4.4
							1.4	5.9
.1							10.2	7.0
.6	.4						12.9	7.7
.1	.3	.1					13.2	7.1
.1							9.2	5.2
							7.0	4.0
							2.3	7.4
							2.7	5.5
							.6	4.0
////////////

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
USAFETAC FROM HOURLY O
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.8	1.1	1.0	.3			
NNE	1.4	1.1	.3	.1	.3		
NE	1.5	1.4	.3				
ENE	1.2	1.2	.7				
E	1.5	.8	.3	.1			
ESE	.3	.7					
SE	.3	.4	.5	.3			
SSE	.8	1.4	.8	.5	.1		
S	2.2	2.6	3.0	2.2	.7		
SSW	3.4	3.8	3.6	.7	.3	.1	
SW	4.0	3.4	3.3	1.1	.1	.4	
WSW	2.9	2.2	1.8	1.5			
W	4.0	.7	.8	1.1	.1		
WNW	.5	.1	.7	.3			
NW	.8	.3	.3	.3			
NNW	.5	.8	.4	.3			
VARIABLE							
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	27.1	22.0	17.6	8.8	1.6	.5	

TOTAL NUMBER OF OBSERVATIONS: 731

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

RFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 0300-0500

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							4.1	5.0
.3							3.1	5.5
							3.1	3.7
							3.1	4.5
							2.7	4.0
							1.0	4.1
							1.5	7.0
.1							3.7	7.0
.7							10.7	7.7
.3	.1						11.9	6.1
.1	.4						12.3	6.4
							8.3	6.2
.1							6.7	4.9
							1.6	7.2
							1.6	5.3
							2.1	5.9
////////////

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE
USAFETAC — FROM HOURLY OBSERV
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40
N	.8	2.0	1.2	.7	.1			
NNE	1.1	.9	.7					
NE	1.3	1.2	.7					
ENE	.9	1.2	.7					
E	1.1	1.6	.4					
ESE	.7	1.2	.1					
SE	.4	.3	.8	.4				
SSE	.5	.4	.8	.4	.1			
S	1.2	2.0	3.3	2.5	.3			
SSW	2.8	4.0	4.5	1.9	.3			
SW	3.2	3.0	2.3	1.7	.3	.1		
WSW	2.0	2.9	2.8	2.4				
W	3.2	1.6	.9	1.3				
WNW	.7	.7	.7	.3		.1		
NW	.4		.4	.4				
NNW	.4	.7	.5	.3				
VARIABLE				.1	.1			
CALM	////////////

OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 0600-0800

D SPEED IN KNOTS 22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
						4.8	6.5
						2.6	4.6
						3.2	4.3
						2.8	4.8
						3.0	4.3
						2.0	4.4
						1.9	7.8
						2.3	7.9
						9.3	8.5
						13.4	6.9
.1						10.6	6.7
						10.1	7.2
						7.0	5.7
.1						2.4	7.2
						1.2	7.8
						1.9	6.6
						.3	16.5
//						21.5	//////
.3						100.0	5.2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFA
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34
N	.4	.8	2.2	1.2				
NNE	.5	1.2	.8		.1			
NE	.8	2.0	1.2	.3				
ENE	1.6	1.8	.5					
E	.7	1.8	.9	.1				
ESE	1.1	.5	.7	.1				
SE	.4	.4	.3	.5	.1			
SSE	.3	.8	1.7	.9	.4			
S	.9	1.3	3.4	2.9	1.2	.1		
SSW	.9	1.7	4.1	6.2	.4			
SW	2.1	2.4	4.5	4.1	.4	.1		
WSW	.9	1.3	2.8	3.4	1.2	.3		
W	.4	.8	2.4	3.3	.8			
WNW	.1	.5	1.2	1.7	.3			
NW	.4	.4	.9	1.1	.1			
NNW	.1	.8	1.2	.3	.3			
VARIABLE			.8	.8		.1		
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	11.6	18.6	29.6	26.9	5.3	.7		

TOTAL NUMBER OF OBSERVATIONS: 757

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

UK PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 0900-1100

WIND SPEED IN KNOTS 21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							4.6	8.7
.1							2.6	5.7
							4.2	5.7
							4.0	4.3
							3.6	5.5
							2.4	5.1
.1							1.7	7.8
.4							4.1	9.4
1.2	.1						9.9	10.2
.4							13.3	10.0
.4	.1						13.6	8.5
1.2	.3						9.9	10.5
.8							7.7	10.8
.3							3.8	11.0
.1							2.9	9.3
.3							2.6	8.4
	.1						1.7	11.8
//////////	//////////	//////////	//////////	//////////	//////////	//////////	7.3	//////
5.3	.7						100.0	8.3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.5	.8	1.7	1.5		.1	
NNE	.4	2.1	.5	.1	.1		
NE	.4	1.3	1.1				
ENE	.8	1.1	.7				
E	1.1	1.6	1.5	.4			
ESE	.4	.4	.1				
SE	.7	.8	.3	.1			
SSE	.1	.7	1.1	.9	.1	.1	
S	1.1	1.3	3.2	4.4	1.5	.4	
SSW	2.0	2.1	3.7	4.7	.9	.3	
SW	.7	2.0	3.4	5.8	.8		
WSW	.5	1.1	3.6	5.0	1.3	.9	
W	1.1	.9	2.9	3.2	1.2	.3	
WNW	.3	.5	1.2	1.1	.1		
NW	.7	.1	1.7	1.8	.3	.1	
NNW	.1	.5	1.3	1.2			
VARIABLE			1.3	.9	.3	.1	
CALM	////	////	////	////	////	////	////
TOTALS	10.7	17.3	29.2	31.1	6.6	2.4	.3

TOTAL NUMBER OF OBSERVATIONS: 758

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

FORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 1200-1400

WIND SPEED IN KNOTS								
17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	.1						4.6	9.1
.1							3.3	6.0
							2.8	5.7
							2.5	5.1
							4.5	6.2
							.9	4.1
							1.8	5.6
.1	.1						3.0	10.6
1.5	.4						11.7	11.0
.9	.3	.1					13.9	9.9
.8							12.7	10.6
1.3	.9						12.4	12.3
1.2	.3						9.5	10.8
.1		.1					3.3	10.2
.3	.1						4.7	10.4
							3.2	9.3
.3	.1						2.6	12.3
//							2.5	//////
6.6	2.4	.3					100.0	9.6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	2.1	1.5	1.7	.8			
NNE	.4	.9	.9	.4			
NE	.8	1.6	.8	.3			
ENE	.5	.5	.7	.1			
E	1.1	.7	.5	.5			
ESE	.8	.4		.1			
SE	.1	.4	.5	.1	.1	.1	
SSE	.3	.1	.7	1.5	.1	.1	
S	1.3	1.9	4.2	4.5	1.3	.1	.1
SSW	1.1	2.8	3.2	2.8	1.2	.1	
SW	.8	1.9	4.6	5.2	1.2	.4	.1
WSW	.5	1.9	4.4	4.1	.4	.8	
W	1.2	1.9	3.7	4.2	1.1		
WNW	.4	.4	1.6	1.6	.3		
NW	.4	.7	1.2	1.2	.1		
NNW	.4	.5	1.3	.7			
VARIABLE			.7	.7			
CALM	////	////	////	////	////	////	////
TOTALS	12.2	17.9	30.8	28.8	5.8	1.7	.3

TOTAL NUMBER OF OBSERVATIONS: 754

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

RD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 1500-1700

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
7-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							6.1	6.1
							2.7	6.8
							3.4	5.6
							1.9	6.1
							2.8	5.9
							1.3	3.8
.1	.1						1.5	9.6
.1	.1						2.8	11.2
1.3	.1	.1					13.5	10.3
1.2	.1						11.1	9.4
1.2	.4	.1					14.2	10.6
.4	.8						12.1	10.8
1.1							12.1	9.8
.3							4.2	10.1
.1							3.6	8.8
							2.9	8.2
							1.3	11.4
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	4.7	1.0	.5				
NNE	1.0	1.4	.7	.2			
NE	.9	.7	.2	.2			
ENE	1.4	.2	.3				
E	.7		.2				
ESE	.7	.5	.3				
SE	1.2	.7	.3	.2	.2		
SSE	.9	.7	1.4	.3	.2	.2	
S	1.9	3.8	3.1	3.1		.3	
SSW	2.1	3.3	1.6	1.6	.2		
SW	2.3	3.5	3.8	3.5	.3		
WSW	2.3	3.3	4.0	.9	.3		
W	3.0	3.7	3.1	.7			
WNW	1.7	.7	1.0	.2			
NW	.7	.5	1.4	.5			
NNW	.9	.9	.2	.3			
VARIABLE			.2	.2			
CALM	//						
TOTALS	26.3	24.9	22.5	11.8	1.2	.5	

TOTAL NUMBER OF OBSERVATIONS: 574

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

RD UK PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 1800-2000

WIND SPEED IN KNOTS 7-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							6.3	2.8
							3.3	5.3
							1.9	4.5
							1.9	2.9
							.9	3.2
							1.6	4.3
.2							2.6	5.9
.2	.2						3.7	7.6
	.3						12.4	7.9
.2							8.7	6.5
.3							13.4	7.9
.3							10.8	6.8
							10.5	5.6
							3.7	4.7
							3.1	7.3
							2.3	5.3
							.3	10.0
////////////

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
USAFETAC FROM HOURLY O
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	3.1	.7	.3				
NNE	2.6	1.4	1.0	.9			
NE	.3	.7					
ENE	.5	.5	.2	.2			
E	.7	.9	.5				
ESE	.9						
SE	.5	.9					
SSE	1.5	1.2	.5	1.0			
S	2.4	3.8	2.9	1.5	.2	.3	
SSW	3.6	3.2	3.1	1.5	.3	.3	
SW	5.3	4.6	3.2	1.5	.3		
WSW	3.1	2.4	3.1	1.0			
W	2.9	2.0	.2	.9			
WNW	1.0	.3	.3	.2			
NW	.3	.7	.5	.2			
NNW	1.0	.7	.9	.2			
VARIABLE							
CALM	////	////	////	////	////	////	////
TOTALS	29.7	23.9	16.7	9.0	.9	.7	

TOTAL NUMBER OF OBSERVATIONS: 586

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

IRFORD UK

PERIOD OF RECORD: 75-76,81-86
MONTH: SEP HOURS(LST): 2100-2300

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							4.1	3.0
							5.8	5.3
							1.0	4.2
							1.4	5.6
							2.0	4.3
							.9	2.6
							1.4	3.6
							4.3	6.0
.2	.3						11.1	7.4
.3	.3						12.1	6.9
.3							15.0	5.9
							9.6	5.8
							6.0	4.7
							1.9	4.7
							1.7	6.0
							2.7	5.3
//////////	//////////	//////////	//////////	//////////	//////////	//////////	19.1	//////
.9	.7						100.0	4.7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOU

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN 1-3	4-6	7-10	11-16	17-21	22-27	28
N	2.0	1.0	1.2	.6	.0	.0	
NNE	1.0	1.3	.7	.3	.1		
NE	1.0	1.2	.6	.1			
ENE	1.1	.9	.5	.1			
E	1.0	1.0	.6	.2			
ESE	.6	.5	.2	.0			
SE	.6	.5	.4	.2	.1	.0	
SSE	.6	.7	.9	.7	.1	.1	
S	1.6	2.3	3.3	2.9	.7	.2	
SSW	2.3	3.0	3.5	2.8	.5	.2	
SW	2.6	2.9	3.7	3.1	.5	.2	
WSW	2.0	2.1	2.9	2.6	.4	.3	
W	2.4	1.5	1.9	2.0	.4	.0	
WNW	.7	.4	.9	.8	.1	.0	
NW	.5	.5	.9	.7	.1	.0	
NNW	.4	.7	.7	.4	.0		
VARIABLE			.4	.4	.1	.0	
CALM	////	////	////	////	////	////	////
TOTALS	20.5	20.7	23.4	17.8	3.1	1.0	

TOTAL NUMBER OF OBSERVATIONS: 5620

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

NFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): ALL

WIND SPEED IN KNOTS							TOTAL	MEAN
17-21	22-27	28-33	34-40	41-47	48-55	GE 56	%	WIND
.0	.0						4.8	5.6
.1							3.4	5.6
							2.9	4.8
							2.6	4.7
							2.8	5.1
							1.4	4.4
.1	.0						1.8	6.5
.1	.1						3.1	8.3
.7	.2	.0					11.1	8.9
.5	.2	.0					12.3	8.1
.5	.2	.0					13.1	8.1
.4	.3						10.3	8.5
.4	.0						8.3	7.6
.1	.0	.0					2.9	8.4
.1	.0						2.7	8.1
.0							2.3	7.2
.1	.0						.8	12.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE
FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40
N	2.0	.4	1.6	.7				
NNE	1.3	1.5	.4	.8				
NE	3.3	1.3	.9	.1				
ENE	1.3	.7	.5					
E	1.1	.5	1.6					
ESE	.5	.5	.5	.1				
SE	.5	.5	.7	.3	.1			
SSE	.4	1.1	.7	.7	.1			
S	1.5	1.3	3.6	2.1	.4	.1		
SSW	2.0	2.1	4.8	3.2	.4			
SW	2.3	4.1	4.4	1.2	.7	.3		
WSW	2.1	3.7	2.1	3.3	1.3			
W	2.4	1.2	.9	.5	.1	.3		
WNW	.4	1.1	.1					
NW	.3	.4	.4					
NNW	.4	.3	.8	.1				
VARIABLE					.1			
CALM	//							
TOTALS	21.8	20.7	24.0	13.1	3.3	.7		

TOTAL NUMBER OF OBSERVATIONS: 753

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

UK

PERIOD OF RECORD: 75-76,80-86
MONTH: OCT HOURS(LST): 0000-0200

WIND SPEED IN KNOTS								
21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							4.6	5.8
							4.0	5.9
							5.7	3.8
							2.5	4.1
							3.2	5.5
							1.7	5.8
.1							2.1	7.3
.1							2.9	7.2
.4	.1						9.0	8.8
.4							12.5	8.3
.7	.3						12.9	7.5
1.3							12.6	8.6
.1	.3						5.4	6.3
							1.6	4.2
							1.1	4.9
							1.6	6.2
.1							.1	17.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	16.3	//////
3.3	.7						100.0	5.9

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURF
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	3
N	1.4	.5	1.0	.8				
NNE	3.0	1.4	.7	.4				
NE	2.1	1.2	.5	.1	.1			
ENE	1.8	.7	1.0					
E	1.0	2.0	1.3	.1				
ESE	.5	.7	.7	.1				
SE	.7	.5	1.2	.1				
SSE	.5	1.2	1.4	.4				
S	.9	1.0	3.4	2.0	.4	.5		
SSW	1.7	2.5	2.7	4.2	.5	.4		
SW	2.3	3.7	4.4	2.1	.7	.1		
WSW	2.3	2.0	2.9	1.7	1.0			
W	2.1	1.0	.9	.9	.4	.3		
WNW	.8	.9	.5		.1			
NW	.4	.5	.1					
NNW	.7	.5	1.2					
VARIABLE			.1	.1				
CALM	//							
TOTALS	22.3	20.2	24.2	13.1	3.3	1.3		

TOTAL NUMBER OF OBSERVATIONS: 766

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

FORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: OCT HOURS(LST): 0300-0500

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							3.8	6.1
							5.5	4.4
.1							4.0	4.5
							3.5	4.1
							4.4	5.4
							2.0	5.9
							2.5	6.2
							3.5	6.9
.4	.5						8.2	10.0
.5	.4						12.0	9.5
.7	.1						13.3	7.5
1.0							9.9	8.2
.4	.3						5.6	7.4
.1							2.3	5.4
							1.0	3.9
							2.3	6.2
							.3	11.5
////////////

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF S
USAFETAC — FROM HOURLY
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.0	1.5	1.2	.2	.4		
NNE	1.9	1.1	.1	.5			
NE	2.3	2.1	.5	.1			
ENE	2.4	1.8	1.5				
E	1.0	1.0	1.0	.2		.1	
ESE	.5	.4	.2	.4		.1	
SE	.4	.6	.6	.1			
SSE	.5	.9	.9	.5	.1		
S	.9	2.4	2.4	2.8	.6	.1	
SSW	1.9	1.5	2.7	3.5	1.2		
SW	2.6	4.0	4.1	3.5	.7	.2	
WSW	2.4	2.7	3.2	2.3	.2	.2	
W	2.4	1.2	.9	.4	.7		
WNW	.6	.4	.5	.2	.1		
NW	.5	.2	.1	.5			
NNW	.2	.4	.6	.1	.1		
VARIABLE				.2			
CALM	////	////	////	////	////	////	////
TOTALS	21.5	22.0	20.4	15.7	4.3	.9	

TOTAL NUMBER OF OBSERVATIONS: 823

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

FORD UK PERIOD OF RECORD: 75-76,79-86
MONTH: OCT HOURS(LST): 0600-0800

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.4							4.3	6.9
							3.6	4.5
							5.0	4.1
							5.7	4.6
	.1						3.3	6.4
	.1						1.6	7.5
							1.7	6.0
.1							2.8	7.5
.6	.1						9.2	9.2
1.2							10.8	9.7
.7	.2						15.2	8.2
.2	.2						11.1	7.8
.7							5.6	6.6
.1							1.8	7.1
							1.3	6.7
.1							1.5	8.0
							.2	15.5
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	.2	1.1	1.3	.1	.4		
NNE	1.4	.7	1.1				
NE	1.7	1.2	1.1	.2			
ENE	1.0	.8	1.6	.2			
E	1.9	1.6	1.9	.8	.5	.1	
ESE	.7	1.1	1.3	.2	.1		
SE	.5	.2	.4	.4	.1		
SSE	.4	.5	.8	1.0			
S	.5	1.3	2.8	3.2	.4	.5	
SSW	.7	2.2	3.8	4.2	1.9	.1	
SW	1.7	1.1	4.0	5.5	1.8	.4	
WSW	.7	1.9	3.2	3.0	.5	.5	
W	.8	1.2	1.8	2.9	.4	.6	
WNW	.4	.5	.8	1.1	.1		
NW	.2	.2	.8	.6			
NNW	.7	.4	1.0	1.0			
VARIABLE			.5	.7	.2		
CALM	////////////

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

FORD UK

PERIOD OF RECORD: 75-76,79-86
MONTH: OCT HOURS(LST): 0900-1100

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.4							3.1	8.0
							3.2	4.9
							4.2	4.9
							3.6	6.0
.5	.1						6.9	7.4
.1							3.5	6.6
.1							1.6	8.2
							2.6	8.8
.4	.5						8.7	10.6
1.9	.1						12.9	10.9
1.8	.4						14.4	10.9
.5	.5						9.9	10.0
.4	.6	.1					7.8	11.2
.1							2.9	9.5
							1.9	8.8
							3.0	8.0
.2							1.4	11.9
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.7	1.3	1.3	.2	.2		
NNE	1.1	.5	1.3	.2			
NE	1.1	.6	1.6	.6			
ENE	.5	1.2	1.1	.2			
E	1.0	1.9	2.3	1.6			
ESE	.1	.2	1.3	.7	.1		
SE	.4	.7	1.1	.4	.2		
SSE	.4	.4	1.3	.1	.1		
S	.4	1.1	3.9	5.2	.7	.4	
SSW	.8	1.1	2.9	4.6	1.8	.2	.1
SW	.4	.6	2.4	5.9	1.3	.5	.1
WSW	.5	.5	2.8	5.4	2.2	.4	
W	1.2	1.7	2.3	4.0	1.0	.7	
WNW	.8	.5	1.0	1.0	.2		
NW		.4	.5	.8			
NNW	.5	.6	1.4	.4			
VARIABLE			.6	.8	.5	.1	
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	10.7	13.3	29.1	32.2	8.5	2.3	.2

TOTAL NUMBER OF OBSERVATIONS: 828

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

ORD UK

PERIOD OF RECORD: 75-76,79-86
MONTH: OCT HOURS(LST): 1200-1400

WIND SPEED IN KNOTS								
17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.2							4.8	6.2
							3.1	6.0
							3.9	6.9
							3.0	6.4
							6.8	7.4
.1							2.5	9.5
.2							2.8	8.6
.1							2.3	8.0
.7	.4						11.6	11.3
1.8	.2	.1					11.6	11.8
1.3	.5	.1					11.2	12.7
2.2	.4						11.7	12.8
1.0	.7						10.9	11.0
.2							3.5	8.2
							1.7	10.3
							2.9	7.3
.5	.1						2.1	13.4
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SUR
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.6	1.2	1.4	.2	.1		
NNE	1.0	.8	1.1	.7			
NE	1.3	1.1	1.1	.5			
ENE	.4	1.6	1.3		.1		
E	1.0	1.9	1.4	1.1	.2		
ESE	.7	.8	.6	.4	.1		
SE	.7	.5	.4	.2	.1		
SSE	.5	1.1	.7	.4	.1		
S	1.4	2.5	3.6	4.1	.6	.1	
SSW	1.1	1.3	3.4	3.7	2.0	.6	
SW	.5	2.5	3.6	3.4	.8	.1	.4
WSW	.2	1.6	3.6	4.1	1.9	.2	
W	.7	2.2	2.7	3.1	.6	.2	
WNW	.7	.7	1.1	.8			
NW	.4	.7	.7	.1			
NNW	1.0	.6	1.4	.2	.1		
VARIABLE				1.0			
CALM	////////////

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

AIRFORD UK

PERIOD OF RECORD: 75-76,79-86
MONTH: OCT HOURS(LST): 1500-1700

	WIND SPEED IN KNOTS								
16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.2	.1							4.6	5.6
.7								3.6	6.6
.5								4.0	6.2
	.1							3.4	6.5
1.1	.2							5.7	7.7
.4	.1							2.7	6.5
.2	.1							1.9	6.1
.4	.1							2.8	7.2
1.1	.6	.1						12.4	9.3
1.7	2.0	.6						12.2	11.6
1.4	.8	.1	.4					11.3	10.3
1.1	1.9	.2						11.7	11.6
1.1	.6	.2						9.5	9.9
.8								3.4	7.3
.1								1.9	6.4
.2	.1							3.4	7.0
.0								1.0	13.0
////	////	////	////	////	////	////	////	4.7	//////
1.1	7.0	1.3	.4					100.0	8.6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	2.7	.8	.3	.2			
NNE	3.0	.9	.9	.2			
NE	2.2	1.6	.8	.3			
ENE	1.7	.6	.3	.2			
E		.8	.3				
ESE	.9	.3	.5				
SE	.5	.3		.3	.2		
SSE	.3	.3	.8	.5			
S	1.7	3.1	3.3	1.7	.5		
SSW	2.3	3.4	5.6	4.1	1.3	.3	
SW	1.9	4.1	3.9	4.1	.5		
WSW	2.8	2.8	2.8	3.4	1.4	.3	
W	2.3	1.4	1.4	.3			
WNW	.5	.6	.6				
NW	1.1	.6	.3				
NNW	.8	.9	.2	.6			
VARIABLE			.3	.2			
CALM	//						
TOTALS	24.7	22.7	22.3	15.9	3.8	.6	

TOTAL NUMBER OF OBSERVATIONS: 640

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

RFORD UK

PERIOD OF RECORD: 75-76,79-86
MONTH: OCT HOURS(LST): 1800-2000

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							3.9	3.5
							5.0	3.7
							4.8	4.4
							2.8	3.9
							1.1	6.3
							1.7	4.0
.2							1.3	7.6
							1.9	7.8
.5							10.3	7.7
1.3	.3						17.0	8.9
.5		.2					14.5	8.6
1.4	.3	.3					13.9	9.5
							5.5	5.2
							1.7	4.9
							2.0	3.8
							2.5	6.1
							.5	11.3
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE
FROM HOURLY OBSERVA

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40
N	1.4	1.3	1.0	.3				
NNE	2.4	1.8	.3	.5				
NE	3.0	1.8	.5					
ENE	.8	1.0	.5					
E	.6	.5	.2					
ESE	.2	.6						
SE	.5	.8	.2	.3				
SSE	.5	.3	.8	.5				
S	1.3	2.7	3.4	1.9				
SSW	1.6	4.6	3.7	3.7	.2			
SW	2.1	5.0	4.3	4.6	1.1	.2		
WSW	3.2	2.6	1.8	3.5	.8	.2	.2	
W	3.0	1.4	1.0	.5	.2			
WNW	.3	.5		.2				
NW	1.0	.8	.3					
NNW	.5	.6	.8					
VARIABLE			.3	.2				
CALM	////	////	////	////	////	////	////	////
TOTALS	22.4	26.2	18.9	16.2	2.2	.3	.2	

TOTAL NUMBER OF OBSERVATIONS: 625

:CURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-76,80-86
MONTH: OCT HOURS(LST): 2100-2300

SPEED IN KNOTS 22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
						4.0	5.4
						5.0	4.2
						5.3	3.6
						2.2	4.6
						1.3	3.9
						.8	4.0
						1.8	6.4
						2.1	7.4
						9.3	7.4
						13.8	8.0
.2						17.3	8.6
.2	.2					12.2	8.7
						6.1	5.1
						1.0	5.7
						2.1	4.5
						1.9	5.3
						.5	11.0
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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFAC
USAFETAC FROM HOURLY OBSE
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34
N	1.5	1.0	1.2	.3	.1			
NNE	1.8	1.1	.8	.4				
NE	2.1	1.3	.9	.3	.0			
ENE	1.2	1.1	1.0	.1	.0			
E	1.0	1.3	1.3	.5	.1	.0		
ESE	.5	.6	.7	.3	.0	.0		
SE	.5	.5	.6	.3	.1			
SSE	.4	.7	.9	.5	.1			
S	1.0	1.9	3.3	3.0	.5	.2		
SSW	1.5	2.2	3.6	3.9	1.2	.2	.0	
SW	1.7	3.0	3.9	3.8	1.0	.2	.1	
WSW	1.7	2.2	2.8	3.4	1.2	.2	.0	
W	1.8	1.4	1.5	1.7	.4	.3	.0	
WNW	.6	.6	.6	.4	.1			
NW	.4	.5	.4	.3				
NNW	.6	.5	1.0	.3	.0			
VARIABLE			2	.4	.1	.0		
CALM	//							
TOTALS	18.4	20.0	24.7	19.8	5.0	1.2	.2	

TOTAL NUMBER OF OBSERVATIONS: 6097

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

ORD UK PERIOD OF RECORD: 75-76,79-86
MONTH: OCT HOURS(LST): ALL

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.1							4.1	6.0
							4.1	4.9
.0							4.6	4.7
.0							3.4	5.1
.1	.0						4.3	6.8
.0	.0						2.1	6.7
.1							2.0	7.1
.1							2.6	7.6
.5	.2						9.9	9.4
1.2	.2	.0					12.7	9.9
1.0	.2	.1					13.6	9.2
1.2	.2	.0					11.5	9.7
.4	.3	.0					7.2	8.6
.1							2.3	7.1
							1.6	6.4
.0							2.4	6.9
.1	.0						.8	12.8
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GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
USAFETAC — FROM HOURLY (
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.4	1.6	3.0	.6			
NNE	1.4	1.0	1.0	.2			
NE	1.4	1.6	1.8	.6			
ENE	1.2	1.4	.5	.1			
E	1.0	.6	.6	.4			
ESE	.6	.1	.4	.2			
SE	.4	.2	.6				
SSE	.2	.2	1.5	.7			
S	1.0	1.0	4.6	2.2	.7	.4	
SSW	.7	2.0	4.7	4.8	.9	.9	.1
SW	1.1	1.7	4.8	2.2	.7	.4	
WSW	1.8	2.2	3.1	2.8	1.0	.9	
W	1.7	1.6	.9	.7	.2	.2	
WNW	1.0	.6	.4	.5			
NW	.2	.2	.4	.1			
NNW	1.0	.5	1.1	.7	.4		
VARIABLE			.1	.2			
CALM	//						
TOTALS	16.2	16.6	29.3	17.4	3.9	2.7	.1

TOTAL NUMBER OF OBSERVATIONS: 811

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

FORD UK

PERIOD OF RECORD: 74-76,80-86
MONTH: NOV HOURS(LST): 0000-0200

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							6.5	6.6
							3.6	5.4
							5.4	6.2
							3.2	4.9
							2.6	5.6
							1.4	6.2
							1.2	5.8
							2.7	8.5
.7	.4						9.9	9.8
.9	.9	.1					14.1	11.2
.7	.4						11.0	9.5
1.0	.9						11.8	9.9
.2	.2						5.4	7.0
							2.5	6.4
							1.0	6.6
.4							3.7	8.3
							.4	11.7
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.6	2.0	3.2	.6			
NNE	1.5	2.3	1.0	.1			
NE	1.1	1.0	1.3	.6	.4		
ENE	1.5	.7	.7	.6			
E	.6	1.3	.5				
ESE	.6	.9	.6	.1			
SE	.5	.5	.6				
SSE	.1	.5	1.2	.6			
S	.2	1.0	2.9	3.4	.9	.2	
SSW	1.3	1.7	5.1	4.9	.5	.4	
SW	2.0	2.3	4.2	3.1	1.0	.2	
WSW	1.8	2.2	3.1	2.6	.6	.9	
W	2.0	1.7	1.2	.9	.5	.2	.1
WNW	.7	.5		.5			
NW	.5	.5	.7	.4			
NNW	.1	.9	1.2	.6	.4	.1	
VARIABLE			.4	.1			
CALM	//						
TOTALS	15.2	19.9	28.0	19.1	4.2	2.1	.1

TOTAL NUMBER OF OBSERVATIONS: 818

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

RD UK

PERIOD OF RECORD: 74-76,80-86
MONTH: NOV HOURS(LST): 0300-0500

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							6.4	7.3
							4.9	5.2
.4							4.4	7.5
							3.5	5.7
							2.4	5.3
							2.2	5.8
							1.6	4.9
							2.4	7.8
.9	.2						8.7	11.1
.5	.4						13.9	10.0
1.0	.2						12.7	8.8
.6	.9						11.1	9.5
.5	.2	.1					6.6	7.8
							1.7	6.1
							2.1	7.1
.4	.1						3.3	9.7
							.5	9.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.8	2.1	2.6	.5			
NNE	1.8	2.2	1.3	.5			
NE	1.6	1.3	.7	.5	.4		
ENE	1.3	1.4	.7	.1			
E	.7	.8	1.5	.5			
ESE	.4	.7	.9				
SE	.1	.2	.1	.6			
SSE	.4	.5	.4	.7			
S	.9	1.5	2.3	3.3	.7		
SSW	.6	2.5	4.1	5.5	.9	.2	.
SW	1.6	2.9	3.6	4.6	.1	.7	.
WSW	2.3	1.4	2.6	1.8	.9	.2	
W	2.0	1.9	1.1	.7	.1	.4	
WNW	.5	.4	.6	.1			
NW	.7	.6	1.2	.4	.1		
NNW	.4	1.1	.9	.5	.5	.2	
VARIABLE			.6	.5			
CALM	//						
TOTALS	16.0	21.4	25.1	20.4	3.7	1.8	.2

TOTAL NUMBER OF OBSERVATIONS: 857

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

FORD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: NOV HOURS(LST): 0600-0800

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							6.0	6.4
							5.7	5.5
.4							4.4	6.3
							3.5	4.7
							3.5	6.7
							2.0	6.2
							1.1	9.7
							1.9	7.8
.7							8.8	10.0
.9	.2	.1					13.9	10.5
.1	.7	.1					13.7	9.6
.9	.2						9.2	8.6
.1	.4						6.1	6.9
							1.5	6.2
.1							2.9	7.2
.5	.2						3.5	9.4
							1.1	10.7
//							11.4	//////
3.7	1.8	.2					100.0	7.3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.0	1.5	2.6	.1			
NNE	.6	1.5	1.4	1.0	.2		
NE	1.2	1.7	.9	.5	.6		
ENE	1.6	1.1	1.4	.3			
E	1.0	1.4	1.5	.7			
ESE	.5	.6	.7	.1			
SE	.3	.3	.7	.5			
SSE	.1		.7	.9		.1	
S	.7	.1	1.7	2.8	1.2	.3	
SSW	1.9	1.1	4.2	5.2	1.6	.6	
SW	1.4	2.2	4.1	4.1	1.5	.3	.1
WSW	1.2	2.2	2.4	4.3	.7	.2	
W	1.4	1.7	1.5	2.2	.3	.3	
WNW	.8	.6	1.0	.3			
NW	.1	.6	1.1	.2			
NNW	.6	1.1	.7	1.5	.1	.2	
VARIABLE			.3	.3	.2		
CALM	//						
TOTALS	14.3	17.6	26.8	25.1	6.5	2.2	.1

TOTAL NUMBER OF OBSERVATIONS: 880

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

FORD UK PERIOD OF RECORD: 74-76,79-86
MONTH: NOV HOURS(LST): 0900-1100

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
							5.2	6.3
.2							4.7	8.0
.6							4.9	7.1
							4.4	5.4
							4.5	6.5
							1.8	6.1
							1.8	8.0
	.1						1.8	11.4
1.2	.3						6.9	12.4
1.6	.6						14.5	10.7
1.5	.3	.1					13.6	10.3
.7	.2						11.0	9.8
.3	.3						7.4	9.0
							2.7	6.7
							2.0	7.6
.1	.2						4.2	9.5
.2							.9	12.8
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.3	1.8	3.3	1.1			
NNE	.6	1.3	2.2	.3			
NE	1.1	1.8	1.4	.8	.6		
ENE	.5	.8	1.0	.6		.1	
E	1.1	.8	1.6	.6	.1		
ESE	.5	.2	.5	.2			
SE	.7	.5	.9	.2			
SSE	.1	.5	.9	.8	.2		
S	.2	1.3	1.9	3.4	.6	.6	
SSW	.5	.8	3.1	5.5	1.0	.6	
SW	.3	1.1	2.7	6.3	2.4	.6	
WSW	1.3	1.4	3.3	4.3	1.0	.2	
W	1.4	1.6	2.5	3.3	1.0	.3	
WNW	.1	.9	1.6	1.6	.2		
NW	.5	.8	.7	1.4			
NNW	.1	.9	.9	.7	.1	.3	
VARIABLE				.8	.1	.1	
CALM	////////////

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

IRFORD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: NOV HOURS(LST): 1200-1400

	WIND SPEED IN KNOTS								
	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
1								6.6	7.6
2								4.3	6.9
3	.6							5.7	7.9
4		.1						3.0	7.5
5	.1							4.2	6.6
6								1.4	6.3
7								1.8	7.6
8	.2							2.5	10.2
9	.6	.6						8.0	11.7
10	1.0	.6						11.4	12.2
11	2.4	.6	.1					14.0	12.5
12	1.0	.2	.1					11.6	10.8
13	1.0	.3						10.1	10.4
14	.2							4.4	9.9
15								3.3	8.1
16	.1	.3						3.1	10.5
	.1	.1						1.0	15.3
//	//							3.5	//////
	7.4	2.8	.2					100.0	9.8

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCU NCE OF SURFA
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34
N	.8	1.9	2.6	.9				
NNE	.7	1.5	2.0	.2	.1			
NE	1.0	1.5	.7	.3	.5			
ENE	.6	1.8	.8	.6				
E	1.1	1.5	.5	.2	.1			
ESE	.1	1.1	.5	.2				
SE	.3	.9	.2	.2				
SSE	.7	1.2	.8	1.0		.1		
S	1.2	3.1	1.9	2.5	.6	.5		
SSW	1.1	1.5	3.7	3.9	1.1	.4		
SW	.9	2.0	3.9	3.7	1.2	.2		
WSW	1.1	1.7	3.4	4.4	1.0	.5		
W	1.1	1.9	2.5	3.4	.5	.1		
WNW	.6	.9	.7	1.1	.2			
NW	.3	.9	.6					
NNW	.1	.8	1.5	.2		.3		
VARIABLE			.1	.1				
CALM	////////////

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

RD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: NOV HOURS(LST): 1500-1700

WIND SPEED IN KNOTS							TOTAL	MEAN
7-21	22-27	28-33	34-40	41-47	48-55	GE 56	%	WIND
							6.2	7.1
.1							4.5	6.8
.5							4.0	7.1
							3.7	6.7
.1							3.4	5.5
							1.9	6.6
							1.7	5.9
	.1						3.9	8.2
.6	.5						9.8	9.0
1.1	.1						11.5	10.0
1.2	.2						12.0	10.4
1.0	.5						12.2	10.8
.5	.1						9.5	9.4
.2							3.5	8.9
							1.8	5.1
	.3						3.0	9.2
							.2	12.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	1.0	2.3	2.0	.9	.1		
NNE	1.7	1.3	1.4	.4			
NE	1.3	1.3	.9	.7	.1		
ENE	1.3	1.3	.6	.1	.1		
E	.9	.4	.3	.9			
ESE	.6	.7	.6	.3			
SE	.4	.6	.9				
SSE	.7	1.6	1.0	1.0		.1	
S	2.0	2.8	2.3	3.3	.7		
SSW	1.1	2.3	4.4	3.6	.3	.3	
SW	1.3	3.4	2.8	2.8	1.7	.3	
WSW	.9	1.7	3.0	2.3	.4		
W	2.1	1.6	2.1	2.1	.7	.1	
WNW	1.1	.3	.4	.3			
NW	.6	.7	.6	.1			
NNW	.6	.6	1.0				
VARIABLE			.1	.1		.1	
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	17.3	22.7	24.3	18.9	4.3	1.0	

TOTAL NUMBER OF OBSERVATIONS: 704

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

FORD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: NOV HOURS(LST): 1800-2000

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
.1							6.2	6.9
							4.8	5.6
.1							4.3	6.6
.1							3.4	5.3
							2.4	7.4
							2.1	6.1
							1.8	5.4
	.1						4.4	7.4
.7							11.1	8.8
.3	.3						11.9	9.2
1.7	.3						12.4	10.0
.4							8.2	9.1
.7	.1						8.7	8.4
							2.1	4.6
							2.0	5.5
							2.1	5.7
	.1						.4	16.3
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	.5	3.5	2.6	.5			
NNE	1.9	.5	1.2	.3			
NE	1.6	2.2	.7	.5			
ENE	.7	1.7	.5	.2			
E	.7	1.0		.5			
ESE	.3	.2	.9	.3			
SE	.3	1.2	1.0	.2			
SSE	.3	1.0	1.0	.5			
S	.9	2.6	2.9	2.8	.3	.3	
SSW	1.9	2.8	3.1	6.2	.5	.5	
SW	2.2	2.6	3.8	2.4	.5	.5	
WSW	2.4	2.1	2.2	2.8	.7	.2	
W	1.9	1.6	1.0	.3	.2		
WNW	.7	.3	.2	.2			
NW	.9	.7	.3	.2			
NNW	.2	.9	.5	.5			
VARIABLE			.2	.2			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	17.4	24.9	22.3	18.7	2.2	1.6	

TOTAL NUMBER OF OBSERVATIONS: 579

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

FORD UK PERIOD OF RECORD: 74,80-86
MONTH: NOV HOURS(LST): 2100-2300

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							7.1	6.6
							4.0	5.4
							5.0	5.9
							3.1	5.6
							2.2	6.5
							1.7	7.7
							2.8	6.3
							2.9	6.7
.3	.3						9.8	9.2
.5	.5	.2					15.2	10.3
.5	.5						12.1	8.6
.7	.2						10.4	8.6
.2							5.0	5.6
							1.4	4.6
							2.1	4.9
							2.1	8.3
							.3	10.5
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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SU
USAFETAC FROM HOURLY O
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.8	2.0	2.7	.7	.0		
NNE	1.2	1.5	1.5	.4	.0		
NE	1.3	1.5	1.1	.6	.3		
ENE	1.1	1.3	.8	.3	.0	.0	
E	.9	1.0	.9	.5	.0		
ESE	.4	.6	.6	.2			
SE	.3	.5	.6	.2			
SSE	.3	.7	.9	.8	.0	.0	
S	.9	1.6	2.5	3.0	.7	.3	
SSW	1.1	1.8	4.1	4.9	.9	.4	.0
SW	1.4	2.2	3.7	3.7	1.2	.4	.0
WSW	1.6	1.8	2.9	3.2	.8	.4	.0
W	1.7	1.7	1.6	1.8	.5	.2	.0
WNW	.7	.6	.6	.6	.1		
NW	.5	.6	.7	.4	.0		
NNW	.4	.8	1.0	.6	.2	.2	
VARIABLE			.2	.3	.0	.0	
CALM	//						
TOTALS	14.5	20.3	26.5	22.1	4.8	2.0	.1

TOTAL NUMBER OF OBSERVATIONS: 6407

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

RD UK PERIOD OF RECORD: 74-76,79-86
MONTH: NOV HOURS(LST): ALL

WIND SPEED IN KNOTS 7-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.0							6.2	6.9
.0							4.6	6.1
.3							4.8	6.9
.0	.0						3.5	5.7
.0							3.2	6.3
							1.8	6.3
							1.7	6.6
.0	.0						2.8	8.4
.7	.3						9.0	10.2
.9	.4	.0					13.2	10.6
1.2	.4	.0					12.7	10.1
.8	.4	.0					10.8	9.8
.5	.2	.0					7.5	8.5
.1							2.6	7.5
.0							2.2	6.8
.2	.2						3.2	9.1
.0	.0						.6	12.5
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURF
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	3
N		.6	.4	.8	.1			
NNE	1.3	.3	2.3	.1	.1			
NE	1.8	1.2	.9	.3				
ENE	.8	1.8	1.2	.3	.1			
E	.9	.9	1.0	.3				
ESE	.3	.3	.4		.1			
SE	.3	.9	.5	.5	.1			
SSE	.4	.3	.8	1.5	.1			
S	1.0	1.2	2.2	2.7	.8	.3		
SSW	1.2	1.5	3.0	3.4	1.0			
SW	1.5	3.9	4.9	5.0	.9		.1	
WSW	1.7	2.8	4.1	4.6	1.8	.6		
W	2.5	1.0	.8	1.7	.8	.4		
WNW	.8	.4	.1					
NW	.6	1.2	1.0	.3		.1	.1	
NNW	.3	.6	.3	.9				
VARIABLE					.1			
CALM	//							
TOTALS	15.2	18.8	23.9	22.3	6.2	1.4	.3	

TOTAL NUMBER OF OBSERVATIONS: 775

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

AIRFORD UK

PERIOD OF RECORD: 74-76,80-86
MONTH: DEC HOURS(LST): 0000-0200

6	WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.5	.1							1.9	9.9
.1	.1							4.1	6.8
.2								4.1	4.8
.3	.1							4.1	6.1
.2								3.1	5.7
	.1							1.0	6.3
.5	.1							2.3	8.4
.5	.1							3.1	10.4
.7	.8	.3						8.1	10.7
3.4	1.0							10.1	10.1
3.0	.9		.1					16.4	9.1
4.6	1.8	.6						15.7	10.5
1.7	.8	.4						7.1	9.1
								1.3	3.3
.2		.1	.1					3.4	7.8
.4								2.1	8.9
	.1							.1	18.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	11.9	//////
2.3	6.2	1.4	.3					100.0	7.9

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNC 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.4	.6	1.2	1.0	.1		
NNE	1.2	1.0	.8	.4			
NE	1.3	1.9	1.2	.4			
ENE	1.2	1.7	.9	.1	.1		
E	.9	.9	1.3				
ESE	.5	.3	.3				
SE	.1	.4	.4	.9	.1		
SSE	.5	.3	.3	1.5	.1		
S	1.3	2.0	1.9	3.3	1.0	.1	
SSW	2.6	1.4	3.7	3.5	1.2	.3	
SW	1.5	1.7	5.4	4.7	.9	.3	
WSW	2.2	2.9	3.3	5.5	.6	.5	
W	1.7	1.3	1.0	1.3	.8	.3	
WNW	1.0	.6	.5	.4	.1		
NW	.3	.8	.6	.3	.1		
NNW	.1		.5	1.2			
VARIABLE							
CALM	//						
TOTALS	16.6	17.6	23.1	24.4	5.2	1.4	

TOTAL NUMBER OF OBSERVATIONS: 782

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

ORD UK

PERIOD OF RECORD: 74-76,80-86
MONTH: DEC HOURS(LST): 0300-0500

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.1							3.2	9.4
							3.3	5.7
							4.7	5.5
.1							4.0	5.7
							3.1	5.5
							1.0	4.5
.1							1.9	10.2
.1							2.7	10.7
1.0	.1						9.7	10.1
1.2	.3						12.5	9.4
.9	.3						14.5	9.6
.6	.5						15.1	9.5
.8	.3						6.3	9.0
.1							2.7	6.4
.1							2.0	7.6
							1.8	10.9
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.2	.9	1.1	1.2			
NNE	1.5	.7	.7	.5	.1		
NE	1.1	1.6	1.1	.1			
ENE	.6	.5	1.2	.2			
E	.7	.4	1.2	.2			
ESE	.9	.2	.9	.1			
SE	.1	.1	.4	.5		.2	
SSE	.4	.2	.6	1.3	.5	.4	
S	1.1	1.2	1.2	2.6	.5	.2	
SSW	1.8	1.7	4.4	5.2	1.6		
SW	2.2	2.4	5.5	5.4	.7	.1	
WSW	1.6	2.9	2.9	6.2	1.0		
W	2.4	1.8	.7	1.5	.6	.2	
WNW	.5	.4	.5	.1		.1	
NW	.5	.4	.4	.7			
NNW	.1	.6	.7	1.2			
VARIABLE				.1			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	15.7	15.9	23.5	27.3	5.0	1.3	

TOTAL NUMBER OF OBSERVATIONS: 822

CE
RV NCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

ORD UK PERIOD OF RECORD: 74-76,79-86
MONTH: DEC HOURS(LST): 0600-0800

WIND SPEED IN KNOTS								
17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							3.4	8.9
.1							3.5	5.9
							3.8	5.3
							2.6	6.7
							2.6	6.4
							2.1	5.6
	.2						1.3	12.0
.5	.4						3.4	12.7
.5	.2						6.8	9.8
1.6							14.7	9.9
.7	.1	.1					16.4	9.5
1.0							14.6	10.0
.6	.2						7.3	7.9
	.1						1.6	7.2
							1.9	7.4
							2.7	9.5
							.1	15.0
///							11.2	//////
5.0	1.3	.1					100.0	8.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFAC
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-
N	.4	.5	1.3	1.0	.1			
NNE	1.3	.4	1.0	.2				
NE	.2	.7	1.0	.1				
ENE	.7	.7	1.0	.2				
E	.7	.6	1.1	1.2				
ESE	.6	.1	.8	.2				
SE	.4	.4	.1	.4	.1	.2		
SSE	.5	.6	.2	1.0	.7	.1		
S	.6	.8	2.6	2.5	.8	.6		
SSW	.7	1.0	3.1	5.4	1.5	.2		
SW	1.7	2.6	5.2	4.5	1.3	.2		
WSW	2.7	1.7	4.8	6.2	1.9	1.0		
W	2.4	.8	1.4	2.5	.5	.2		
WNW	.4	.5	.7	.5	.6			
NW	.5	.2	.8	.6	.1			
NNW	.5	.8	.6	1.2				
VARIABLE			.2		.2			
CALM	//							
TOTALS	14.1	12.4	25.9	27.6	8.0	2.6		

TOTAL NUMBER OF OBSERVATIONS: 841

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

RD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: DEC HOURS(LST): 0900-1100

WIND SPEED IN KNOTS								
7-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.1							3.2	8.9
							2.9	5.6
							2.0	6.4
							2.6	6.1
							3.6	7.8
							1.8	6.9
.1	.2						1.5	10.2
.7	.1						3.1	11.7
.8	.6						8.0	11.6
1.5	.2						11.9	11.6
1.3	.2						15.6	10.0
1.9	1.0						18.2	10.5
.5	.2						7.8	8.8
.6							2.6	9.9
.1							2.3	8.8
							3.1	8.5
.2							.5	14.0
////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.4	1.0	1.7	.8	.2		
NNE	.1		.2	.1	.1		
NE	.1	.6	1.0	.4			
ENE	1.0	1.1	.1	.2			
E	1.1	1.0	1.2	1.0			
ESE	.1	.4	.4	.1			
SE	.4	.5	.4	.4	.6	.1	
SSE	.2	.2	1.1	1.2	.4	.1	
S	.1	.6	2.2	2.5	1.1	.1	.2
SSW	.5	1.9	3.7	5.7	1.8	.6	
SW	1.2	1.4	4.3	5.3	1.1	.4	
WSW	1.4	2.1	5.3	7.6	1.3	1.1	.1
W	1.1	.5	3.1	3.4	.6	.2	.2
WNW	.4	.5	1.0	1.7	.2		
NW	.4	.2	1.6	.6	.2		
NNW	.4	.5	1.8	1.4	.2		
VARIABLE			.1				
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	8.8	12.4	29.2	32.4	8.0	2.7	.6

TOTAL NUMBER OF OBSERVATIONS: 829

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

ORD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: DEC HOURS(LST): 1200-1400

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
.2							4.1	8.6
.1							.6	10.2
							2.1	7.5
							2.4	4.5
							4.2	7.1
							1.0	6.4
.6	.1						2.3	10.6
.4	.1						3.3	10.7
1.1	.1	.2					6.9	12.5
1.6	.6						14.2	11.6
1.1	.4						13.8	10.8
1.3	1.1	.1					18.9	11.4
.6	.2	.2					9.2	11.1
.2							3.7	10.2
.2							3.0	9.1
.2							4.3	9.7
							.1	9.0
//////	//////	//////	//////	//////	//////	//////	5.9	//////
8.0	2.7	.6					100.0	9.9

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNO 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.9	1.3	1.0	.5	.1		.
NNE	.6	.4	.6	.4			
NE	1.1	1.0	1.0	.2			
ENE	.5	1.0	.7				
E	.6	.7	.9	.5			
ESE	.7	.6	.1	.2			.
SE	.5	.4	.7	.9	.1	.2	
SSE	.2	.2	.9	1.0	.4		
S	1.1	2.4	3.7	2.9	.7	.1	.
SSW	1.5	2.8	2.8	3.4	1.3	.2	
SW	1.0	3.8	4.9	3.3	.7	.7	
WSW	.7	2.8	4.2	4.6	1.7	1.0	.
W	1.7	1.7	2.3	2.3	.5		
WNW	.4	1.1	.4	.5	.2		
NW	1.0	.9	1.3	.5			
NNW	.1	.7	2.0	.9			
VARIABLE				.2			
CALM	//						
TOTALS	12.6	21.9	27.4	22.4	5.9	2.3	1.1

TOTAL NUMBER OF OBSERVATIONS: 818

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

RFORD UK PERIOD OF RECORD: 74-76,79-86
MONTH: DEC HOURS(LST): 1500-1700

WIND SPEED IN KNOTS							TOTAL	MEAN
17-21	22-27	28-33	34-40	41-47	48-55	GE 56	%	WIND
.1		.1					3.9	7.5
							2.0	6.8
							3.3	5.4
							2.2	5.2
							2.7	7.1
		.1					1.8	6.4
.1	.2						2.8	9.9
.4							2.7	10.6
.7	.1	.2					11.2	9.5
1.3	.2						12.1	9.9
.7	.7						14.4	9.7
1.7	1.0	.6					15.6	11.8
.5							7.6	8.4
.2							2.6	8.0
							3.7	6.5
							3.7	8.5
							.2	13.5
//							6.5	//////
5.9	2.3	1.1					100.0	8.6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOT 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.9	1.4	.6	.4		.3	.1
NNE	.3	1.0	.6	.4			
NE	1.4	.6	1.0	.3			
ENE	1.7	1.4	.9	.1			
E	.9	.4	1.0	.4	.1		
ESE	.6	.7	.6			.1	.1
SE	.6	.1	.4	.7			.1
SSE	.3	.1	1.0	1.2	.7	.1	
S	.9	2.9	2.9	2.5	1.3	.3	
SSW	1.3	4.8	2.6	5.8	1.4	.6	
SW	1.4	3.8	4.3	3.0	1.3	.3	
WSW	2.0	1.6	2.9	3.0	1.2	1.0	.3
W	1.6	1.2	1.2	.9	.4	.1	
WNW	.7	.9	.1	.3	.1	.1	
NW	.4	.3	1.2	.3			
NNW	.4	1.0	1.3	1.0			
VARIABLE	.1						
CALM	//////////	//////	//////	//////	//////	//////	//////
TOTALS	15.7	22.3	22.6	20.4	6.7	3.0	.7

TOTAL NUMBER OF OBSERVATIONS: 690

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

IRFORD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: DEC HOURS(LST): 1800-2000

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	.3	.1					3.8	8.2
							2.3	7.0
							3.3	5.2
							4.2	4.5
.1							2.9	7.0
	.1	.1					2.2	7.8
		.1					2.0	9.4
.7	.1						3.5	12.2
1.3	.3						10.7	9.6
1.4	.6						16.5	10.0
1.3	.3						14.2	9.1
1.2	1.0	.3					12.0	10.9
.4	.1						5.4	7.7
.1	.1						2.3	7.6
							2.2	7.3
							3.8	7.9
							.1	3.0
//							8.6	//////
6.7	3.0	.7					100.0	8.1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURL

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	.5	.5	.2			.5	
NNE	1.4	1.0	.7	.7			
NE	2.4	1.2	1.4				
ENE	.9	2.1	.3	.5			
E	.7	1.0	1.0	.3			
ESE	.2	.2	.3				
SE	.5		.5	.7			
SSE	.3	1.0	1.2	2.2	.2		
S	1.2	2.7	3.6	2.9	.7		
SSW	1.7	3.6	2.1	3.8	.5	.3	
SW	2.9	5.8	4.1	4.3	1.7	.7	.
WSW	1.2	2.7	2.6	3.1	1.2	.3	.
W	1.4	1.7	1.0		.3		.
WNW	.9	.3	.9	.2	.2		
NW	.3	.2	.9	.3			
NNW	.3	.5	.7	.5			
VARIABLE				.2			
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	16.8	24.7	21.5	19.8	4.8	1.9	.

TOTAL NUMBER OF OBSERVATIONS: 582

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

IRFORD UK

PERIOD OF RECORD: 74-75,80-86
MONTH: DEC HOURS(LST): 2100-2300

WIND SPEED IN KNOTS								
17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	.5						1.7	10.3
7							3.8	5.5
							5.0	4.6
5							3.8	5.6
3							3.1	6.6
							.7	6.0
7							1.7	8.5
2	.2						5.0	10.1
9	.7						11.2	8.9
8	.5	.3					12.0	8.9
3	1.7	.7	.2				19.8	9.1
1	1.2	.3	.2				11.3	10.2
	.3		.2				4.6	6.4
2	.2						2.4	7.1
2							1.7	7.0
5							2.1	7.5
							.2	14.0
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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SUR
USAFETAC FROM HOURLY OB
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33
N	.4	.8	1.0	.7	.1	.1	.0
NNE	.9	.6	.9	.3	.0		
NE	1.1	1.1	1.0	.2			
ENE	.9	1.2	.8	.2	.0		
E	.8	.7	1.1	.5	.0		
ESE	.5	.3	.5	.1	.0	.0	.0
SE	.3	.4	.4	.6	.1	.1	.0
SSE	.4	.4	.7	1.3	.4	.1	
S	.9	1.7	2.5	2.7	.9	.2	.1
SSW	1.4	2.2	3.2	4.5	1.3	.3	
SW	1.6	3.1	4.9	4.5	1.1	.3	.0
WSW	1.7	2.4	3.8	5.2	1.4	.7	.1
W	1.9	1.2	1.5	1.8	.6	.2	.0
WNW	.6	.6	.5	.5	.2	.0	
NW	.5	.5	1.0	.5	.1	.0	.0
NNW	.3	.6	1.0	1.1	.0		
VARIABLE	.0		.0	.1	.0		
CALM	//////////	//////	//////	//////	//////	//////	//////
TOTALS	14.3	17.9	24.8	24.9	6.3	2.1	.4

TOTAL NUMBER OF OBSERVATIONS: 6139

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

IRFORD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: DEC HOURS(LST): ALL

WIND SPEED IN KNOTS 17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.1	.1	.0					3.2	8.7
.0							2.8	6.3
							3.5	5.4
.0							3.2	5.6
.0							3.2	6.7
.0	.0	.0					1.5	6.4
.1	.1	.0					2.0	9.9
.4	.1						3.3	11.1
.9	.2	.1					9.0	10.3
1.3	.3						13.0	10.2
1.1	.3	.0					15.5	9.6
1.4	.7	.1					15.4	10.6
.6	.2	.0					7.2	8.8
.2	.0						2.4	8.0
.1	.0	.0					2.6	7.7
.0							3.0	8.9
.0							.2	12.9
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

DIRECTION (DEGREES)	WIND SPEED IN KN 1-3	4-6	7-10	11-16	17-21	22-27	28-3
N	1.6	1.9	2.2	1.1	.2	.0	
NNE	1.4	1.8	1.6	.8	.1	.0	
NE	1.4	1.7	1.9	1.2	.1	.0	
ENE	.9	1.3	1.2	.6	.1	.0	
E	.9	1.0	1.1	.5	.0	.0	
ESE	.5	.5	.5	.2	.0	.0	
SE	.4	.5	.5	.3	.0	.0	
SSE	.4	.6	.8	.6	.1	.0	
S	.9	1.5	2.4	2.3	.5	.2	
SSW	1.3	2.1	2.9	3.0	.7	.2	
SW	1.7	2.6	3.2	2.8	.7	.2	
WSW	1.4	1.8	2.8	3.4	.9	.4	
W	1.6	1.5	1.8	1.8	.5	.2	
WNW	.7	.7	.9	.6	.1	.0	
NW	.6	.8	1.0	.6	.1	.0	
NNW	.5	.9	1.2	.6	.1	.0	
VARIABLE	.0	.0	.5	.3	.0	.0	
CALM	//////////	//////////	//////////	//////////	//////////	//////////	
TOTALS	16.2	21.1	26.4	20.7	4.2	1.4	

TOTAL NUMBER OF OBSERVATIONS: 71893

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

IRFORD UK

PERIOD OF RECORD: 74-76,79-87
MONTH: ALL HOURS(LST): ALL

	WIND SPEED IN KNOTS								
	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
1	.2	.0	.0					7.0	7.1
	.1	.0						5.7	6.7
2	.1	.0	.0					6.3	7.2
6	.1	.0						4.2	6.8
5	.0	.0						3.6	6.6
2	.0	.0	.0					1.7	6.3
3	.0	.0	.0					1.8	7.3
	.1	.0						2.5	8.4
3	.5	.2	.0					7.8	9.4
	.7	.2	.0					10.2	9.3
	.7	.2	.0	.0				11.1	8.8
4	.9	.4	.0	.0				10.8	10.1
4	.5	.2	.0	.0				7.3	8.7
	.1	.0	.0					3.0	7.8
6	.1	.0	.0					3.0	7.6
6	.1	.0	.0					3.2	7.7
3	.0	.0	.0	.0				.9	10.7
	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILINGS 200 TO 1400 FEET WITH VISIBILTIES 1
AND/OR
CEILINGS 200 FEET OR MORE WITH VISIBILTIES 1/

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-4
N	1.4	1.6	2.2	1.2	.2	.0		
NNE	1.9	2.3	2.4	1.2	.1	.0		
NE	1.8	2.7	3.1	1.8	.1	.0		
ENE	1.5	2.1	2.5	1.3	.2	.0		
E	1.3	1.5	1.9	.8	.1	.0		
ESE	.7	.6	.6	.2	.0	.0	.0	
SE	.5	.5	.6	.4	.1	.0	.0	
SSE	.5	.7	.8	.7	.1	.1		
S	1.2	1.5	2.8	2.8	.5	.2	.0	
SSW	1.0	1.4	3.0	4.2	.9	.2	.0	
SW	1.4	1.8	2.5	3.0	.7	.2		
WSW	1.1	1.1	1.5	2.5	.8	.5	.1	
W	1.1	.7	.4	.3	.1	.1	.0	
WNW	.4	.2	.2	.0	.0	.0		
NW	.5	.2	.3	.1	.0	.0		
NNW	.5	.3	.4	.2	.0	.0		
VARIABLE		.0	.2	.1	.0			
CALM	////	////	////	////	////	////	////	////
TOTALS	16.8	19.4	25.4	20.7	3.9	1.4	.1	

TOTAL NUMBER OF OBSERVATIONS: 12018

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

K

PERIOD OF RECORD: 74-76,79-87
MONTH: ALL HOURS(LST): ALL

FEET WITH VISIBILTIES 1/2 MILE OR MORE
AND/OR
IORE WITH VISIBILTIES 1/2 TO 2-1/2 MILES

IND SPEED IN KNOTS 22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
.2	.0					6.6	7.3
.1	.0					7.8	6.7
.1	.0					9.5	7.1
.2	.0					7.7	7.2
.1	.0					5.6	6.8
.0	.0	.0				2.1	6.0
.1	.0	.0				2.1	7.3
.1	.1					2.9	8.4
.5	.2	.0				9.0	9.4
.9	.2	.0				10.7	10.6
.7	.2					9.5	9.4
.8	.5	.1				7.6	10.9
.1	.1	.0				2.6	6.2
.0	.0					.9	5.0
.0	.0					1.2	5.6
.0	.0					1.5	6.3
.0						.3	10.3
////////////

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PPPPPppp          AAAAAA        RRRRRRRR        TTTTTTTTTT          DDDDDDDD
PPPPPPPPP        AAAAAAAA       RRRRRRRRR       TTTTTTTTTT          DDDDDDDDD
PP       PP     AA      AA      RR      RR          TT              DD       DD
PP       PP     AA      AA      RR      RR          TT              DD       DD
PPPPPPPPP       AA      AA      RRRRRRRRR           TT              DD       DD
PPPPPPPP        AAAAAAAAAA      RRRRRRR             TT              DD       DD
PP              AAAAAAAAAA      RR    RR            TT              DD       DD
PP              AA      AA      RR     RR           TT              DD       DD
PP              AA      AA      RR      RR          TT              DDDDDDDDD
PP              AA      AA      RR       RR         TT              DDDDDDDDD
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CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIRVARIATE FREQUENCY DISTRIBUTION BY CLASSES O
TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILI
CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROU
COMBINED).

NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6
6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR
APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO
SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE
SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTL
DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS
TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 500

SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONT

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSCURED	-	10/10

ITY AND SKY COVER SUMMARIES

TRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL
PARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16
TER THAN 10 MILES.

ANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS

PORTED VISIBILITIES TO 6 MILES AND GREATER THAN
ISIBILITIES EQUAL TO OR GREATER THAN 10 MILES

REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER
THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN
ESE VALUES ARE OF LITTLE MEANING AND SHOULD BE

G "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPESSED
VALUES APPEAR ABOVE 5000 FEET.

ER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

ME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVA

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUNDREDS GE 32	GE 24	GE 20
NO CEIL	3.6	29.8	30.6	32.0	32.2	32.4	32.4	32.5	32.5
GE 20000	4.5	32.4	33.2	34.6	35.0	35.2	35.2	35.3	35.3
GE 18000	4.5	32.4	33.2	34.6	35.0	35.2	35.2	35.3	35.3
GE 16000	4.5	32.4	33.2	34.6	35.0	35.2	35.2	35.3	35.3
GE 14000	4.5	32.4	33.2	34.6	35.0	35.2	35.2	35.3	35.3
GE 12000	4.8	32.6	33.4	34.9	35.3	35.4	35.4	35.6	35.6
GE 10000	5.1	33.3	34.1	35.6	36.0	36.1	36.1	36.2	36.2
GE 9000	5.2	34.1	34.9	36.4	36.8	36.9	36.9	37.0	37.0
GE 8000	5.2	36.8	37.5	39.3	40.1	40.3	40.3	40.5	40.5
GE 7000	5.2	37.7	38.6	40.3	41.3	41.5	41.5	41.7	41.7
GE 6000	5.5	38.6	39.5	41.5	42.6	42.9	42.9	43.0	43.0
GE 5000	5.9	41.4	42.5	44.5	45.7	45.9	45.9	46.2	46.2
GE 4500	6.0	43.4	44.6	46.6	47.8	48.1	48.1	48.3	48.3
GE 4000	6.3	46.5	47.7	49.7	51.0	51.3	51.3	51.5	51.5
GE 3500	6.9	48.1	49.3	51.4	52.7	53.0	53.0	53.3	53.4
GE 3000	7.7	55.1	56.5	59.0	60.6	60.9	60.9	61.5	61.8
GE 2500	8.5	58.3	60.2	62.7	64.3	64.6	64.6	65.2	65.6
GE 2000	9.7	64.0	66.3	68.8	70.6	71.0	71.1	72.3	72.8
GE 1800	9.9	65.0	67.4	69.9	71.6	72.0	72.3	73.5	74.0
GE 1500	10.4	68.7	71.1	73.6	75.4	76.0	76.3	77.8	78.3
GE 1200	10.9	72.6	75.1	77.9	79.6	80.3	80.7	82.2	82.8
GE 1000	11.3	74.8	77.5	80.3	82.0	82.7	83.2	85.1	85.9
GE 900	11.3	75.5	78.2	81.0	82.7	83.4	83.9	85.8	86.6
GE 800	11.5	76.4	79.1	82.0	83.8	84.4	85.2	87.2	88.0
GE 700	11.6	77.6	80.4	83.8	85.8	86.4	87.2	89.5	90.3
GE 600	11.6	77.9	81.1	85.2	87.2	88.0	88.8	91.3	92.3
GE 500	11.6	77.9	81.1	85.4	87.5	88.3	89.2	91.7	92.8
GE 400	11.6	78.0	81.4	86.0	88.1	89.1	90.0	92.5	93.6
GE 300	11.6	78.0	81.4	86.0	88.3	89.2	90.1	92.8	94.1
GE 200	11.6	78.0	81.4	86.0	88.3	89.5	90.4	93.1	94.4
GE 100	11.6	78.0	81.4	86.0	88.3	89.5	90.4	93.2	94.7
GE 0	11.6	78.0	81.4	86.0	88.3	89.5	90.4	93.2	94.7

TOTAL NUMBER OF OBSERVATIONS: 751

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

IRFORD UK

PERIOD OF RECORD: 75-76,81-87
MONTH: JAN HOURS(LST): 0000-0200

VISIBILITY IN HUNDREDS OF METERS

GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
32.4	32.4	32.5	32.5	32.9	32.9	32.9	32.9	32.9	33.2	33.2
35.2	35.2	35.3	35.3	35.7	35.7	35.7	35.7	35.7	36.0	36.0
35.2	35.2	35.3	35.3	35.7	35.7	35.7	35.7	35.7	36.0	36.0
35.2	35.2	35.3	35.3	35.7	35.7	35.7	35.7	35.7	36.0	36.0
35.2	35.2	35.3	35.3	35.7	35.7	35.7	35.7	35.7	36.0	36.0
35.4	35.4	35.6	35.6	36.0	36.0	36.0	36.0	36.0	36.2	36.2
36.1	36.1	36.2	36.2	36.6	36.6	36.6	36.6	36.6	36.9	36.9
36.9	36.9	37.0	37.0	37.4	37.4	37.4	37.4	37.4	37.7	37.7
40.3	40.3	40.5	40.5	40.9	40.9	40.9	40.9	40.9	41.1	41.1
41.5	41.5	41.7	41.7	42.1	42.1	42.1	42.1	42.1	42.3	42.3
42.9	42.9	43.0	43.0	43.4	43.4	43.4	43.4	43.4	43.7	43.7
45.9	45.9	46.2	46.2	46.6	46.6	46.6	46.6	46.6	46.9	46.9
48.1	48.1	48.3	48.3	48.9	48.9	48.9	48.9	48.9	49.1	49.1
51.3	51.3	51.5	51.5	52.1	52.1	52.1	52.1	52.1	52.3	52.3
53.0	53.0	53.3	53.4	53.9	54.2	54.2	54.2	54.2	54.5	54.5
60.9	60.9	61.5	61.8	62.3	62.6	62.6	62.6	62.6	62.8	62.8
64.6	64.6	65.2	65.6	66.2	66.4	66.4	66.4	66.4	66.7	66.7
71.0	71.1	72.3	72.8	73.5	73.8	73.8	73.8	73.8	74.0	74.0
72.0	72.3	73.5	74.0	74.7	75.0	75.0	75.0	75.0	75.2	75.2
76.0	76.3	77.8	78.3	79.1	79.4	79.4	79.4	79.4	79.8	79.8
80.3	80.7	82.2	82.8	83.9	84.2	84.2	84.2	84.2	84.6	84.6
82.7	83.2	85.1	85.9	87.1	87.4	87.4	87.4	87.4	87.7	87.7
83.4	83.9	85.8	86.6	87.7	88.0	88.0	88.0	88.0	88.4	88.4
84.4	85.2	87.2	88.0	89.2	89.6	89.6	89.6	89.6	90.0	90.1
86.4	87.2	89.5	90.3	91.5	91.9	91.9	91.9	91.9	92.3	92.4
88.0	88.8	91.3	92.3	93.5	93.9	93.9	93.9	93.9	94.4	94.5
88.3	89.2	91.7	92.8	94.0	94.4	94.4	94.7	94.7	95.3	95.5
89.1	90.0	92.5	93.6	94.3	95.2	95.2	95.5	95.5	96.1	96.3
89.2	90.1	92.8	94.1	95.5	95.9	95.9	96.1	96.4	97.1	97.3
89.5	90.4	93.1	94.4	95.7	96.3	96.3	96.5	96.9	97.9	98.1
89.5	90.4	93.2	94.7	96.0	96.5	96.5	96.9	97.3	98.3	98.5
89.5	90.4	93.2	94.7	96.0	96.5	96.5	96.9	97.6	98.5	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF (
FROM HOURLY OBSERVA

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDREDS GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	3.2	29.8	29.9	30.6	30.8	31.0	31.0	31.6	31.9
GE 20000	4.5	32.9	33.1	34.1	34.4	34.5	34.5	35.3	35.6
GE 18000	4.5	32.9	33.1	34.1	34.4	34.5	34.5	35.3	35.6
GE 16000	4.5	32.9	33.1	34.1	34.4	34.5	34.5	35.3	35.6
GE 14000	4.6	33.1	33.2	34.3	34.5	34.7	34.7	35.4	35.7
GE 12000	5.0	33.6	33.7	34.8	35.1	35.2	35.2	36.0	36.2
GE 10000	5.3	35.1	35.2	36.2	36.5	36.6	36.6	37.4	37.7
GE 9000	5.3	35.1	35.2	36.2	36.5	36.6	36.6	37.4	37.7
GE 8000	5.3	37.3	37.6	38.6	38.9	39.0	39.0	39.8	40.1
GE 7000	5.3	37.7	38.1	39.2	39.8	39.9	39.9	40.7	41.0
GE 6000	5.3	38.1	38.5	39.7	40.3	40.5	40.6	41.5	41.8
GE 5000	6.0	41.3	41.8	43.1	44.0	44.2	44.3	45.2	45.5
GE 4500	6.3	42.5	43.0	44.4	45.4	45.5	45.6	46.6	46.8
GE 4000	6.9	45.2	46.2	47.8	49.1	49.2	49.3	50.3	50.5
GE 3500	7.4	48.7	49.7	51.6	53.0	53.2	53.4	54.4	54.6
GE 3000	7.5	53.3	54.4	57.1	58.7	58.9	59.3	60.6	60.8
GE 2500	7.9	56.9	57.9	60.7	62.3	62.4	62.8	64.3	64.7
GE 2000	9.1	63.4	65.1	68.4	70.1	70.2	70.6	72.6	73.0
GE 1800	9.4	64.3	66.0	69.7	71.4	71.6	72.2	74.2	74.6
GE 1500	10.1	68.3	70.0	73.7	75.5	75.7	76.3	78.3	78.7
GE 1200	10.6	71.0	73.0	77.0	79.0	79.1	79.9	82.0	82.4
GE 1000	11.1	73.5	75.7	79.8	81.9	82.0	82.8	84.9	85.3
GE 900	11.1	74.3	76.5	80.6	82.8	82.9	83.7	86.0	86.4
GE 800	11.2	75.3	77.4	81.5	84.0	84.1	85.1	87.3	87.7
GE 700	11.2	76.6	78.7	83.2	86.0	86.1	87.2	89.7	90.2
GE 600	11.4	76.7	79.0	83.5	86.2	86.4	87.7	90.5	91.0
GE 500	11.4	76.9	79.1	84.0	86.9	87.2	88.5	91.4	91.9
GE 400	11.4	77.4	79.8	84.8	88.1	88.4	90.2	93.4	93.9
GE 300	11.4	77.4	79.8	84.8	88.4	88.6	90.5	93.7	94.3
GE 200	11.4	77.4	79.8	84.8	88.4	88.6	90.5	93.8	94.4
GE 100	11.4	77.4	79.8	84.8	88.4	88.6	90.5	93.8	94.4
GE 0	11.4	77.4	79.8	84.8	88.4	88.6	90.5	93.8	94.4

TOTAL NUMBER OF OBSERVATIONS: 756

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,81-87
MONTH: JAN HOURS(LST): 0300-0500

	VISIBILITY IN HUNDREDS OF METERS									
C	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
0	31.0	31.6	31.9	32.0	32.3	32.3	32.4	32.5	32.9	33.1
5	34.5	35.3	35.6	35.7	36.0	36.0	36.1	36.2	36.6	36.8
5	34.5	35.3	35.6	35.7	36.0	36.0	36.1	36.2	36.6	36.8
5	34.5	35.3	35.6	35.7	36.0	36.0	36.1	36.2	36.6	36.8
7	34.7	35.4	35.7	35.8	36.1	36.1	36.2	36.4	36.8	36.9
2	35.2	36.0	36.2	36.4	36.6	36.6	36.8	36.9	37.3	37.4
6	36.6	37.4	37.7	37.8	38.1	38.1	38.2	38.4	38.8	38.9
6	36.6	37.4	37.7	37.8	38.1	38.1	38.2	38.4	38.8	38.9
0	39.0	39.8	40.1	40.2	40.5	40.5	40.6	40.7	41.1	41.3
9	39.9	40.7	41.0	41.3	41.5	41.5	41.7	41.8	42.2	42.3
5	40.6	41.5	41.8	42.1	42.3	42.3	42.5	42.6	43.0	43.1
2	44.3	45.2	45.5	45.8	46.0	46.0	46.2	46.3	46.7	46.8
5	45.6	46.6	46.8	47.2	47.5	47.5	47.6	47.8	48.1	48.3
2	49.3	50.3	50.5	50.9	51.2	51.2	51.3	51.5	51.9	52.0
2	53.4	54.4	54.6	55.0	55.3	55.3	55.4	55.6	56.0	56.1
9	59.3	60.6	60.8	61.2	61.5	61.5	61.6	61.8	62.2	62.3
4	62.8	64.3	64.7	65.1	65.3	65.3	65.5	65.6	66.0	66.1
2	70.6	72.6	73.0	73.7	73.9	73.9	74.1	74.2	74.6	74.7
6	72.2	74.2	74.6	75.3	75.5	75.5	75.7	75.8	76.2	76.3
7	76.3	78.3	78.7	79.5	79.8	79.8	79.9	80.0	80.4	80.6
1	79.9	82.0	82.4	83.3	83.6	83.6	83.7	83.9	84.3	84.4
0	82.8	84.9	85.3	86.2	87.0	87.0	87.2	87.3	87.7	87.8
9	83.7	86.0	86.4	87.3	88.1	88.1	88.2	88.4	88.8	88.9
1	85.1	87.3	87.7	88.6	89.4	89.4	89.6	89.8	90.2	90.3
1	87.2	89.7	90.2	91.1	91.9	91.9	92.1	92.3	92.7	92.9
4	87.7	90.5	91.0	91.9	92.7	92.7	92.9	93.1	93.5	93.7
2	88.5	91.4	91.9	92.9	93.8	93.8	94.0	94.3	94.7	94.8
4	90.2	93.4	93.9	95.0	95.9	95.9	96.2	96.4	96.8	97.0
6	90.5	93.7	94.3	95.4	96.3	96.3	96.6	97.1	97.5	97.9
6	90.5	93.8	94.4	95.5	96.4	96.4	96.7	97.2	97.9	98.5
6	90.5	93.8	94.4	95.5	96.4	96.4	96.7	97.6	98.3	98.9
6	90.5	93.8	94.4	95.5	96.4	96.4	96.7	97.6	98.3	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	2.2	27.0	27.2	27.9	28.3	28.5	28.6	29.0	29.
GE 20000	3.7	29.7	29.9	30.6	31.2	31.3	31.4	31.8	31.
GE 18000	3.7	29.7	29.9	30.6	31.2	31.3	31.4	31.8	31.
GE 16000	3.7	29.8	30.1	30.7	31.3	31.4	31.5	31.9	31.
GE 14000	3.7	30.1	30.3	30.9	31.5	31.7	31.8	32.1	32.
GE 12000	4.5	30.9	31.2	31.8	32.4	32.5	32.6	33.0	33.
GE 10000	4.7	32.3	32.8	33.5	34.1	34.2	34.4	34.7	34.
GE 9000	4.8	33.0	33.5	34.2	34.8	35.0	35.1	35.5	35.
GE 8000	4.8	36.1	36.6	37.3	37.9	38.0	38.2	38.7	38.
GE 7000	4.8	36.3	36.8	37.5	38.2	38.3	38.5	39.0	39.
GE 6000	5.0	37.8	38.3	39.0	39.8	39.9	40.2	40.7	40.
GE 5000	5.3	39.6	40.1	41.1	42.0	42.1	42.5	43.4	43.
GE 4500	6.0	41.8	42.7	44.2	45.0	45.2	45.5	46.6	46.
GE 4000	6.4	45.5	47.0	48.6	49.4	49.6	50.1	51.5	51.
GE 3500	7.1	47.9	49.3	51.0	52.0	52.1	52.8	54.2	54.
GE 3000	8.0	54.4	55.8	58.0	59.0	59.1	59.8	61.2	61.
GE 2500	8.5	57.1	58.7	61.1	62.7	62.8	63.4	65.0	65.
GE 2000	8.8	60.1	62.5	65.4	67.4	67.5	68.5	70.2	70.
GE 1800	9.2	62.1	64.5	67.5	69.4	69.6	70.6	72.3	72.
GE 1500	9.3	65.0	67.5	70.8	72.8	72.9	74.0	76.0	76.
GE 1200	9.7	68.0	70.4	73.9	76.0	76.3	77.4	79 6	79.
GE 1000	10.1	70.6	73.0	76.4	78.7	79.1	80.2	82.5	82.
GE 900	10.2	71.4	73.9	77.4	79.8	80.2	81.5	83.7	83.
GE 800	10.3	72.0	74.5	78.4	80.7	81.2	82.7	84.9	85.
GE 700	10.6	72.9	75.3	79.9	82.5	82.9	84.7	86.9	87.
GE 600	10.7	73.4	75.8	80.6	83.3	83.8	85.6	88.0	88.
GE 500	10.7	73.6	76.3	81.3	84.0	84.5	86.4	89.0	89.
GE 400	10.7	73.6	76.4	81.5	84.2	84.7	86.5	89.3	90.
GE 300	10.7	73.7	76.6	81.6	84.3	84.9	86.9	89.9	90.
GE 200	10.7	73.7	76.6	81.6	84.3	84.9	87.1	90.4	91.
GE 100	10.7	73.7	76.6	81.6	84.3	84.9	87.1	90.4	91.
GE 0	10.7	73.7	76.6	81.6	84.3	84.9	87.1	90.4	91.

TOTAL NUMBER OF OBSERVATIONS: 815

,OF OCCURRENCE OF CEILING VERSUS VISIBILITY
OM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-76,80-87
MONTH: JAN HOURS(LST): 0600-0800

ILITY IN HUNDREDS OF METERS								
GE 12	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
.6	29.0	29.0	29.1	29.1	29.1	29.6	29.7	29.9	30.2
.4	31.8	31.8	31.9	31.9	31.9	32.4	32.5	32.8	33.0
.4	31.8	31.8	31.9	31.9	31.9	32.4	32.5	32.8	33.0
.5	31.9	31.9	32.0	32.0	32.0	32.5	32.6	32.9	33.1
.8	32.1	32.1	32.3	32.3	32.3	32.8	32.9	33.1	33.4
.6	33.0	33.0	33.1	33.1	33.1	33.6	33.7	34.0	34.2
.4	34.7	34.7	34.8	34.8	34.8	35.3	35.5	35.7	36.0
.1	35.5	35.5	35.6	35.6	35.6	36.1	36.2	36.4	36.7
.2	38.7	38.7	38.9	38.9	38.9	39.4	39.5	39.8	40.0
.5	39.0	39.0	39.3	39.3	39.3	39.8	39.9	40.2	40.5
.2	40.7	40.7	41.0	41.0	41.0	41.5	41.6	42.0	42.2
.5	43.4	43.4	43.7	43.7	43.8	44.3	44.4	44.8	45.0
.5	46.6	46.6	47.0	47.0	47.1	47.6	47.7	48.1	48.3
.1	51.5	51.5	51.9	52.0	52.1	52.6	52.8	53.3	53.5
.8	54.2	54.2	54.6	54.7	54.8	55.3	55.5	56.0	56.2
.8	61.2	61.2	61.6	61.7	61.8	62.3	62.5	62.9	63.2
.4	65.0	65.0	65.4	65.5	65.6	66.1	66.3	66.7	67.0
.5	70.2	70.2	70.7	70.8	70.9	71.5	71.8	72.4	72.6
.6	72.3	72.3	72.8	72.9	73.0	73.6	73.9	74.5	74.7
.0	76.0	76.0	76.7	76.8	76.9	77.5	77.8	78.4	78.7
.4	79.6	79.9	80.7	80.9	81.0	81.7	82.0	82.6	82.8
.2	82.5	82.7	83.7	83.8	84.0	84.9	85.2	85.8	86.0
.5	83.7	83.9	84.9	85.0	85.4	86.3	86.5	87.1	87.4
.7	84.9	85.2	86.1	86.3	86.6	87.5	87.7	88.3	88.6
.7	86.9	87.6	88.7	88.8	89.2	90.1	90.3	90.9	91.2
.6	88.0	88.7	89.8	89.9	90.4	91.3	91.7	92.3	92.5
.4	89.0	89.7	91.0	91.2	91.8	92.9	93.3	94.0	94.4
.5	89.3	90.1	91.5	91.7	92.3	93.5	94.0	94.7	95.2
.9	89.9	90.7	92.5	92.8	93.4	94.7	95.6	96.4	96.9
.1	90.4	91.3	93.3	93.5	94.2	95.8	96.7	97.5	98.2
.1	90.4	91.3	93.3	93.5	94.2	95.8	96.9	98.2	98.9
.1	90.4	91.3	93.3	93.5	94.2	95.8	97.1	98.3	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUNDRED GE 32	GE 24	GE 20
NC CEIL	1.4	23.5	23.8	24.4	25.3	25.3	25.7	25.9	25.9
GE 20000	3.3	29.2	29.6	30.3	31.5	31.5	[illegible].0	32.3	32.3
GE 18000	3.3	29.6	30.1	30.9	32.1	32.1		32.9	32.9
GE 16000	3.3	29.6	30.1	30.9	32.1	32.	.6	32.9	32.9
GE 14000	3.5	30.1	30.6	31.4	32.6	32.	1.1	33.3	33.3
GE 12000	4.4	31.8	32.3	33.1	34.3	34.3	34.8	35.0	35.0
GE 10000	4.9	34.3	34.8	35.7	37.0	37.0	37.5	37.8	37.8
GE 9000	4.9	35.4	35.8	36.8	38.1	38.1	38.6	38.9	38.9
GE 8000	5.0	37.3	37.8	38.8	40.5	40.6	41.1	41.5	41.5
GE 7000	5.0	37.9	38.5	39.5	41.3	41.5	42.1	42.5	42.7
GE 6000	5.0	38.4	39.1	40.1	41.9	42.2	42.8	43.2	43.4
GE 5000	5.1	40.4	41.1	42.4	44.6	44.9	45.5	46.0	46.1
GE 4500	5.4	41.9	42.8	44.1	46.4	46.7	47.4	48.1	48.3
GE 4000	6.1	46.0	46.8	48.3	50.5	51.0	51.7	52.4	52.6
GE 3500	7.2	48.6	49.6	51.0	53.4	54.0	54.8	55.6	55.7
GE 3000	8.4	54.6	55.7	57.6	60.1	60.7	61.6	62.7	62.8
GE 2500	9.0	56.5	57.6	59.7	62.4	63.0	64.2	65.4	65.6
GE 2000	9.8	61.2	62.6	65.6	68.2	68.9	70.1	71.3	71.6
GE 1800	10.2	62.5	64.2	67.1	69.8	70.5	71.7	73.0	73.2
GE 1500	10.5	64.9	66.5	70.1	72.9	73.6	75.3	76.6	76.8
GE 1200	11.1	66.8	68.7	73.2	76.2	76.9	78.6	80.2	80.4
GE 1000	11.5	68.6	70.6	75.4	78.7	79.5	81.4	83.0	83.3
GE 900	11.5	68.8	71.0	75.9	79.2	79.9	81.8	83.6	84.0
GE 800	11.5	69.5	71.7	77.1	80.5	81.2	83.6	85.4	85.8
GE 700	11.5	70.4	72.6	78.4	82.3	83.0	85.4	87.2	87.7
GE 600	11.5	70.5	72.8	78.5	82.6	83.4	86.1	88.2	88.6
GE 500	11.6	70.6	72.9	78.6	83.2	84.0	86.7	89.0	89.5
GE 400	11.6	70.6	72.9	78.6	83.3	84.1	86.9	89.1	89.6
GE 300	11.6	70.6	72.9	78.6	83.3	84.1	86.9	89.2	89.8
GE 200	11.6	70.6	72.9	78.7	83.4	84.2	87.0	89.4	90.1
GE 100	11.6	70.6	72.9	78.7	83.4	84.2	87.0	89.4	90.1
GE 0	11.6	70.6	72.9	78.7	83.4	84.2	87.0	89.4	90.1

TOTAL NUMBER OF OBSERVATIONS: 837

OF OCCURRENCE OF CEILING VERSUS VISIBILITY
OM HOURLY OBSERVATIONS

PERIOD OF RECORD: 75-76,80-87
MONTH: JAN HOURS(LST): 0900-1100

ILITY IN HUNDREDS OF METERS									
32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
.7	25.9	25.9	26.3	26.4	26.6	26.6	26.8	26.8	27.1
.0	32.3	32.3	32.7	33.0	33.2	33.2	33.5	33.7	34.1
.6	32.9	32.9	33.6	33.8	34.1	34.1	34.3	34.5	34.9
.6	32.9	32.9	33.6	33.8	34.1	34.1	34.3	34.5	34.9
.1	33.3	33.3	34.1	34.3	34.5	34.5	34.8	35.0	35.4
.8	35.0	35.0	35.7	36.0	36.2	36.2	36.4	36.7	37.0
.5	37.8	37.8	38.5	38.7	38.9	38.9	39.2	39.4	39.8
.6	38.9	38.9	39.9	40.1	40.4	40.5	40.7	41.0	41.3
.1	41.5	41.5	42.4	42.7	43.0	43.1	43.4	43.6	44.0
.1	42.5	42.7	43.7	44.0	44.3	44.4	44.7	44.9	45.3
.8	43.2	43.4	44.4	44.7	45.0	45.2	45.4	45.6	46.0
.5	46.0	46.1	47.6	47.8	48.1	48.3	48.5	48.7	49.1
.4	48.1	48.3	49.8	50.1	50.4	50.5	50.8	51.0	51.4
.7	52.4	52.6	54.2	54.5	54.8	55.0	55.2	55.4	55.8
.8	55.6	55.7	57.3	57.6	57.9	58.1	58.4	58.7	59.0
.6	62.7	62.8	64.5	64.8	65.1	65.2	65.6	65.8	66.2
.2	65.4	65.6	67.4	67.6	68.0	68.2	68.6	68.8	69.2
.1	71.3	71.6	73.4	73.6	74.0	74.2	74.7	74.9	75.3
.7	73.0	73.2	75.0	75.3	75.6	75.9	76.3	76.6	76.9
.3	76.6	76.8	78.7	79.0	79.3	79.6	80.2	80.4	80.8
.6	80.2	80.4	82.6	82.8	83.3	83.5	84.1	84.3	84.7
.4	83.0	83.3	85.7	86.3	86.7	87.1	87.7	87.9	88.3
.8	83.6	84.0	86.4	87.0	87.5	87.8	88.4	88.6	89.0
.6	85.4	85.8	88.2	88.8	89.2	89.6	90.2	90.4	90.8
.4	87.2	87.7	90.3	91.0	91.6	92.0	92.6	92.8	93.2
.1	88.2	88.6	91.4	92.1	92.8	93.2	94.0	94.5	94.9
.7	89.0	89.5	92.2	93.0	93.7	94.0	94.9	95.5	95.9
.9	89.1	89.6	92.5	93.2	93.9	94.3	95.1	96.2	96.7
.9	89.2	89.8	93.1	93.8	94.5	95.0	96.2	97.5	98.3
.0	89.4	90.1	93.5	94.3	95.0	95.6	96.9	98.3	99.4
.0	89.4	90.1	93.5	94.3	95.0	95.6	96.9	98.4	99.8
.0	89.4	90.1	93.5	94.3	95.0	95.6	96.9	98.4	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	1.2	21.9	22.5	23.4	23.5	23.5	24.1	24.3	24.3
GE 20000	2.4	27.2	28.1	29.1	29.4	29.4	30.0	30.2	30.2
GE 18000	2.4	27.8	28.7	29.7	30.0	30.0	30.6	30.8	30.9
GE 16000	2.4	27.8	28.7	29.7	30.0	30.0	30.6	30.8	30.9
GE 14000	2.6	28.1	28.9	30.0	30.2	30.2	30.8	31.1	31.2
GE 12000	3.1	29.4	30.2	31.3	31.5	31.5	32.1	32.4	32.5
GE 10000	3.6	32.3	33.1	34.2	34.4	34.4	35.0	35.3	35.4
GE 9000	3.6	33.1	34.1	35.4	35.6	35.6	36.3	36.6	36.7
GE 8000	3.6	35.4	36.3	38.0	38.5	38.5	39.2	39.6	39.7
GE 7000	3.7	36.5	37.4	39.1	39.6	39.6	40.3	40.6	40.7
GE 6000	4.1	36.8	37.8	39.4	39.9	39.9	40.6	41.0	41.1
GE 5000	4.6	38.8	39.8	41.8	42.7	42.7	43.6	44.0	44.1
GE 4500	5.0	41.2	42.2	44.4	45.3	45.3	46.4	46.8	47.1
GE 4000	5.8	45.8	46.8	49.2	50.5	50.5	51.7	52.0	52.2
GE 3500	7.1	48.1	49.0	51.8	53.4	53.4	54.6	54.9	55.1
GE 3000	8.2	55.3	56.4	59.5	61.0	61.0	62.2	63.1	63.4
GE 2500	9.1	57.8	59.1	62.9	64.6	64.6	66.3	67.4	67.7
GE 2000	9.8	61.8	63.3	68.0	69.8	69.8	71.6	72.8	73.1
GE 1800	10.1	62.5	64.0	68.7	70.5	70.5	72.3	73.6	74.0
GE 1500	11.0	66.5	68.7	74.6	76.4	76.4	78.2	79.5	80.0
GE 1200	11.8	69.2	71.8	79.1	81.1	81.1	83.3	84.7	85.2
GE 1000	12.1	70.7	73.4	81.4	83.9	83.9	86.5	87.8	88.3
GE 900	12.1	70.9	73.5	82.1	84.7	84.7	87.2	88.5	89.0
GE 800	12.1	71.3	74.0	83.0	86.2	86.2	89.1	90.4	90.9
GE 700	12.1	71.8	74.5	84.2	86.9	86.9	89.8	91.1	91.6
GE 600	12.1	71.8	74.5	84.3	87.1	87.1	90.0	91.4	91.9
GE 500	12.1	71.9	74.6	84.7	87.8	87.8	90.9	92.3	92.8
GE 400	12.1	72.1	74.7	84.9	88.0	88.0	91.1	92.6	93.1
GE 300	12.1	72.1	74.7	84.9	88.0	88.0	91.1	92.7	93.2
GE 200	12.1	72.1	74.7	84.9	88.0	88.0	91.1	92.7	93.2
GE 100	12.1	72.1	74.7	84.9	88.0	88.0	91.1	92.7	93.2
GE 0	12.1	72.1	74.7	84.9	88.0	88.0	91.1	92.7	93.2

TOTAL NUMBER OF OBSERVATIONS: 834

NCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UK

PERIOD OF RECORD: 75-76,80-87
MONTH: JAN HOURS(LST): 1200-1400

ISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
24.1	24.3	24.3	24.9	24.9	24.9	24.9	25.1	25.3	25.3
30.0	30.2	30.2	30.8	30.8	30.8	30.8	30.9	31.2	31.2
30.6	30.8	30.9	31.7	31.7	31.7	31.7	31.8	32.0	32.0
30.6	30.8	30.9	31.7	31.7	31.7	31.7	31.8	32.0	32.0
30.8	31.1	31.2	31.9	31.9	31.9	31.9	32.0	32.3	32.3
32.1	32.4	32.5	33.3	33.3	33.3	33.3	33.5	33.7	33.7
35.0	35.3	35.4	36.2	36.2	36.2	36.2	36.3	36.6	36.6
36.3	36.6	36.7	37.6	37.6	37.6	37.6	37.8	38.0	38.0
39.2	39.6	39.7	40.8	40.8	40.8	40.8	40.9	41.1	41.1
40.3	40.6	40.8	41.8	41.8	41.8	41.8	42.0	42.2	42.2
40.6	41.0	41.1	42.2	42.2	42.2	42.2	42.3	42.6	42.6
43.6	44.0	44.2	45.3	45.3	45.3	45.3	45.4	45.7	45.7
46.4	46.8	47.0	48.1	48.1	48.1	48.1	48.2	48.4	48.4
51.7	52.0	52.3	53.5	53.5	53.5	53.5	53.6	53.8	53.8
54.6	54.9	55.2	56.4	56.4	56.4	56.4	56.5	56.7	56.7
62.2	63.1	63.3	64.5	64.5	64.5	64.5	64.6	64.9	64.9
66.3	67.4	67.6	68.8	68.8	68.8	68.8	68.9	69.2	69.2
71.6	72.8	73.0	74.2	74.3	74.3	74.3	74.5	74.7	74.7
72.3	73.6	74.0	75.2	75.3	75.3	75.3	75.4	75.7	75.7
78.2	79.5	80.0	81.3	81.4	81.4	81.4	81.5	81.8	81.8
83.3	84.7	85.1	86.8	87.1	87.1	87.1	87.2	87.4	87.4
86.5	87.8	88.2	90.2	90.8	90.8	90.8	90.9	91.1	91.1
87.2	88.5	89.0	90.9	91.5	91.5	91.5	91.6	91.8	91.8
89.1	90.4	90.9	92.8	93.4	93.4	93.4	93.6	93.9	93.9
89.8	91.1	91.6	93.5	94.1	94.1	94.1	94.4	94.6	94.6
90.0	91.4	91.8	94.0	94.6	94.6	94.6	95.0	95.2	95.2
90.9	92.3	92.8	95.1	95.8	95.8	95.8	96.3	96.5	96.5
91.1	92.6	93.0	95.4	96.3	96.4	96.5	97.2	97.7	97.7
91.1	92.7	93.2	95.6	96.4	96.6	96.8	97.7	98.2	98.7
91.1	92.7	93.2	95.6	96.5	97.0	97.2	98.2	98.8	99.6
91.1	92.7	93.2	95.6	96.5	97.0	97.2	98.2	98.8	99.6
91.1	92.7	93.2	95.6	96.5	97.0	97.2	98.2	98.8	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUNDRED GE 32	GE 24	GE 20
NO CEIL	2.8	26.2	26.6	27.5	28.2	28.2	28.8	28.9	28.9
GE 20000	5.0	32.6	33.3	34.1	35.0	35.0	35.7	35.8	35.8
GE 18000	5.0	32.9	33.7	34.6	35.5	35.5	36.2	36.3	36.3
GE 16000	5.0	32.9	33.7	34.6	35.5	35.5	36.2	36.3	36.3
GE 14000	5.0	33.2	33.9	34.9	35.7	35.7	36.6	36.7	36.7
GE 12000	5.2	34.0	34.9	35.8	36.7	36.7	37.7	37.8	37.8
GE 10000	5.6	37.1	37.9	39.0	39.9	39.9	40.9	41.1	41.1
GE 9000	5.7	38.4	39.2	40.5	41.3	41.3	42.4	42.5	42.5
GE 8000	5.7	41.1	42.0	43.3	44.1	44.1	45.3	45.6	45.9
GE 7000	5.7	41.7	42.6	44.0	44.8	44.8	46.1	46.3	46.7
GE 6000	5.7	42.0	43.0	44.5	45.3	45.3	46.5	46.8	47.1
GE 5000	6.1	44.2	45.4	47.3	48.2	48.2	49.6	49.9	50.3
GE 4500	6.4	46.4	47.9	49.9	51.0	51.0	52.5	52.9	53.2
GE 4000	7.4	50.8	52.2	54.6	55.7	55.7	57.1	57.6	58.0
GE 3500	8.7	53.7	55.3	58.0	59.1	59.1	60.6	61.1	61.5
GE 3000	9.6	59.7	61.6	64.5	65.6	65.6	67.6	68.2	68.5
GE 2500	10.1	62.0	63.9	67.2	68.5	68.5	70.6	71.3	71.8
GE 2000	10.4	64.6	67.0	70.6	72.1	72.2	74.4	75.3	75.8
GE 1800	11.1	66.1	68.8	72.4	74.1	74.2	76.5	77.5	78.0
GE 1500	11.5	70.5	73.5	78.5	80.4	80.6	82.9	84.1	84.6
GE 1200	12.0	72.4	75.5	80.7	82.9	83.0	85.7	87.0	87.6
GE 1000	12.0	73.6	76.8	82.5	84.8	84.9	87.6	89.2	89.8
GE 900	12.0	73.9	77.0	82.9	85.2	85.3	88.0	89.6	90.2
GE 800	12.0	74.7	78.0	84.2	86.5	86.6	89.3	91.0	91.6
GE 700	12.0	75.1	78.4	84.9	87.6	87.7	90.4	92.2	93.0
GE 600	12.0	75.6	78.9	85.7	88.7	88.8	91.7	93.6	94.5
GE 500	12.0	75.6	79.0	86.0	89.1	89.2	92.1	93.9	94.9
GE 400	12.0	75.6	79.0	86.0	89.1	89.2	92.1	94.0	95.0
GE 300	12.0	75.6	79.0	86.0	89.1	89.3	92.2	94.2	95.1
GE 200	12.0	75.6	79.0	86.0	89.1	89.3	92.2	94.2	95.1
GE 100	12.0	75.6	79.0	86.0	89.1	89.3	92.2	94.2	95.1
GE 0	12.0	75.6	79.0	86.0	89.1	89.3	92.2	94.2	95.1

TOTAL NUMBER OF OBSERVATIONS: 823

NCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UK

PERIOD OF RECORD: 75-76,80-87
MONTH: JAN HOURS(LST): 1500-1700

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
	28.8	28.9	28.9	29.2	29.3	29.4	29.4	29.4	29.4	29.4
	35.7	35.8	35.8	36.2	36.3	36.5	36.5	36.5	36.5	36.5
	36.2	36.3	36.3	36.7	36.8	36.9	36.9	36.9	36.9	36.9
	36.2	36.3	36.3	36.7	36.8	36.9	36.9	36.9	36.9	36.9
	36.6	36.7	36.7	37.1	37.2	37.3	37.3	37.3	37.3	37.3
	37.7	37.8	37.8	38.2	38.3	38.4	38.4	38.4	38.4	38.4
	40.9	41.1	41.1	41.4	41.6	41.7	41.7	41.7	41.7	41.7
	42.4	42.5	42.5	42.9	43.0	43.1	43.1	43.1	43.1	43.1
	45.3	45.6	45.9	46.3	46.4	46.5	46.5	46.7	46.7	46.7
	46.1	46.3	46.7	47.0	47.1	47.3	47.3	47.4	47.4	47.4
	46.5	46.8	47.1	47.5	47.6	47.8	47.8	47.9	47.9	47.9
	49.6	49.9	50.3	50.9	51.2	51.3	51.3	51.4	51.4	51.4
	52.5	52.9	53.2	53.8	54.1	54.2	54.2	54.3	54.3	54.3
	57.1	57.6	58.0	58.6	58.8	58.9	58.9	59.1	59.1	59.1
	60.6	61.1	61.5	62.1	62.3	62.5	62.5	62.6	62.6	62.6
	67.6	68.2	68.5	69.1	69.4	69.5	69.5	69.6	69.6	69.6
	70.6	71.3	71.8	72.4	72.7	72.8	72.8	72.9	72.9	72.9
	74.4	75.3	75.8	76.4	76.7	76.8	76.8	76.9	76.9	76.9
	76.5	5	78.0	78.6	78.9	79.0	79.0	79.1	79.1	79.1
	82.9	1	84.6	85.2	85.4	85.5	85.5	85.7	85.7	85.7
	85.7	0	87.6	88.3	88.8	88.9	88.9	89.1	89.1	89.1
	87.6	89.2	89.8	90.5	91.0	91.1	91.4	91.5	91.5	91.5
	88.0	89.6	90.2	90.9	91.4	91.5	91.7	91.9	91.9	91.9
	89.3	91.0	91.6	92.3	92.8	93.0	93.2	93.3	93.3	93.3
	90.4	92.2	93.0	93.8	94.3	94.4	94.7	94.9	94.9	94.9
	91.7	93.6	94.5	95.4	96.0	96.1	96.4	96.6	96.6	96.6
	92.1	93.9	94.9	96.0	96.6	96.7	97.2	97.6	97.6	97.8
	92.1	94.0	95.0	96.1	96.7	96.8	97.3	97.7	97.8	98.1
	92.2	94.2	95.1	96.2	96.8	97.0	97.4	98.2	98.4	98.9
	92.2	94.2	95.1	96.2	96.8	97.0	97.4	98.3	98.7	99.5
	92.2	94.2	95.1	96.2	96.8	97.0	97.4	98.4	98.8	99.6
	92.2	94.2	95.1	96.2	96.8	97.0	97.4	98.4	98.8	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND							
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	1.4	28.9	29.8	31.1	31.4	31.4	31.7	31.9	31
GE 20000	2.2	31.9	32.9	34.2	34.5	34.5	34.8	35.1	35
GE 18000	2.2	31.9	32.9	34.4	34.7	34.7	35.0	35.3	35
GE 16000	2.2	31.9	32.9	34.4	34.7	34.7	35.0	35.3	35
GE 14000	2.2	31.9	32.9	34.4	34.7	34.7	35.0	35.3	35
GE 12000	2.3	33.1	34.1	35.5	35.8	35.8	36.1	36.4	36
GE 10000	2.3	34.7	35.7	37.1	37.4	37.4	37.7	38.0	38
GE 9000	2.3	36.0	37.0	38.4	38.7	38.7	39.0	39.3	39
GE 8000	2.3	39.3	40.3	41.9	42.2	42.2	42.4	42.7	42
GE 7000	2.3	40.0	41.0	42.6	43.0	43.0	43.5	43.9	44
GE 6000	2.3	40.1	41.2	42.7	43.2	43.2	43.6	44.0	44
GE 5000	2.6	44.7	45.9	47.9	48.6	48.6	49.1	49.5	49
GE 4500	2.9	47.1	48.6	50.8	51.5	51.5	51.9	52.4	52
GE 4000	2.9	50.1	51.7	54.4	55.3	55.3	55.8	56.3	56
GE 3500	3.0	52.8	54.4	57.6	58.4	58.4	59.0	59.4	59
GE 3000	3.7	58.8	60.4	63.9	64.7	64.7	65.3	66.2	66
GE 2500	3.9	60.7	62.7	66.2	67.1	67.1	67.6	68.5	68
GE 2000	4.0	66.3	68.5	72.8	74.2	74.2	74.8	75.7	76
GE 1800	4.0	67.3	69.5	74.0	75.4	75.4	76.0	76.8	77
GE 1500	4.3	69.9	72.2	77.1	78.6	78.6	79.3	80.1	80
GE 1200	4.5	72.4	74.8	79.9	81.4	81.4	82.4	83.7	85
GE 1000	4.5	73.7	76.7	81.7	83.5	83.5	84.5	86.0	87
GE 900	4.5	74.0	77.0	82.9	84.7	85.0	86.2	87.8	89
GE 800	4.5	74.8	78.3	84.2	86.2	86.5	87.8	89.4	90
GE 700	4.5	76.4	80.1	86.8	88.8	89.1	90.4	92.1	93
GE 600	4.5	76.8	80.7	87.3	89.5	89.8	91.1	92.9	94
GE 500	4.5	76.8	80.7	87.5	89.6	89.9	91.2	93.1	95
GE 400	4.5	76.8	80.7	87.6	89.8	90.1	91.4	93.2	95
GE 300	4.5	76.8	80.7	87.6	89.8	90.1	91.4	93.2	95
GE 200	4.5	76.8	80.7	87.6	89.8	90.1	91.4	93.2	95
GE 100	4.5	76.8	80.7	87.8	89.9	90.2	91.5	93.4	95
GE 0	4.5	76.8	80.7	87.8	89.9	90.2	91.5	93.4	95

TOTAL NUMBER OF OBSERVATIONS: 695

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: JAN HOURS(LST): 1800-2000

	VISIBILITY IN HUNDREDS OF METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
4	31.7	31.9	31.9	32.4	32.4	32.7	32.8	32.8	32.9	33.2
5	34.8	35.1	35.1	35.5	35.5	35.8	36.0	36.0	36.3	36.5
7	35.0	35.3	35.3	35.7	35.7	36.0	36.1	36.1	36.4	36.7
7	35.0	35.3	35.3	35.7	35.7	36.0	36.1	36.1	36.4	36.7
7	35.0	35.3	35.3	35.7	35.7	36.0	36.1	36.1	36.4	36.7
8	36.1	36.4	36.4	36.8	36.8	37.1	37.3	37.3	37.6	37.8
4	37.7	38.0	38.0	38.4	38.4	38.7	38.8	38.8	39.1	39.4
7	39.0	39.3	39.3	39.7	39.7	40.0	40.1	40.1	40.4	40.7
2	42.4	42.7	42.9	43.3	43.3	43.6	43.7	43.7	44.0	44.3
0	43.5	43.9	44.0	44.5	44.5	44.7	44.9	44.9	45.2	45.5
2	43.6	44.0	44.2	44.6	44.6	44.9	45.0	45.0	45.3	45.6
6	49.1	49.5	49.8	50.2	50.2	50.6	50.8	50.9	51.2	51.5
5	51.9	52.4	52.7	53.1	53.1	53.5	53.7	53.8	54.1	54.4
3	55.8	56.3	56.5	57.0	57.0	57.4	57.6	57.7	58.0	58.3
4	59.0	59.4	59.7	60.1	60.1	60.6	60.7	60.9	61.2	61.4
7	65.3	66.2	66.5	66.9	66.9	67.3	67.5	67.6	67.9	68.2
1	67.6	68.5	68.8	69.4	69.4	69.8	69.9	70.1	70.4	70.6
2	74.8	75.7	76.0	76.5	76.5	77.0	77.1	77.3	77.6	77.8
4	76.0	76.8	77.1	77.7	77.7	78.1	78.3	78.4	78.7	79.0
6	79.3	80.1	80.7	81.4	81.4	81.9	82.0	82.2	82.4	82.7
4	82.4	83.7	85.2	86.0	86.0	86.5	86.6	86.8	87.1	87.3
5	84.5	86.0	87.5	88.5	88.5	88.9	89.1	89.2	89.5	89.8
0	86.2	87.8	89.2	90.2	90.4	90.8	90.9	91.1	91.4	91.7
5	87.8	89.4	90.8	91.8	91.9	92.4	92.5	92.7	92.9	93.2
1	90.4	92.1	93.5	94.7	94.8	95.3	95.4	95.5	95.8	96.1
8	91.1	92.9	94.7	95.8	96.3	96.7	96.8	97.0	97.3	97.6
9	91.2	93.1	95.0	96.3	96.7	97.3	97.6	97.7	98.0	98.3
1	91.4	93.2	95.1	96.4	96.8	97.4	97.7	97.8	98.1	98.4
1	91.4	93.2	95.1	96.5	97.0	97.6	97.8	98.0	98.3	98.6
1	91.4	93.2	95.1	96.5	97.0	97.6	97.8	98.0	98.3	98.7
2	91.5	93.4	95.3	96.7	97.1	97.7	98.0	98.1	98.4	99.1
2	91.5	93.4	95.3	96.7	97.1	97.7	98.0	98.1	98.4	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUND GE 32	GE 24	G
NO CEIL		31.8	32.3	33.2	33.2	33.2	33.3	33.3	33
GE 20000		34.0	34.5	35.7	35.7	35.7	35.8	35.8	36
GE 18000		34.0	34.5	35.7	35.7	35.7	35.8	35.8	36
GE 16000		34.0	34.5	35.7	35.7	35.7	35.8	35.8	36
GE 14000		34.0	34.5	35.7	35.7	35.7	35.8	35.8	36
GE 12000		34.0	34.5	35.7	35.7	35.7	35.8	35.8	36
GE 10000		34.8	35.3	36.5	36.5	36.5	36.7	36.7	37
GE 9000		36.0	36.5	37.7	37.7	37.7	37.8	37.8	38
GE 8000		38.5	39.0	40.5	40.5	40.5	40.7	40.7	41
GE 7000		40.2	40.7	42.5	42.7	42.7	42.8	42.8	43
GE 6000		40.3	40.8	42.7	42.8	42.8	43.0	43.0	43
GE 5000		44.8	45.3	47.2	47.3	47.3	47.5	47.5	48
GE 4500		46.0	46.5	48.3	48.7	48.7	48.8	48.8	49
GE 4000		49.8	50.3	52.2	52.5	52.5	52.7	52.8	53
GE 3500		53.0	53.5	56.2	56.5	56.5	56.7	56.8	57
GE 3000		59.3	59.8	62.5	63.0	63.2	63.3	63.8	64
GE 2500		62.2	62.7	65.5	66.0	66.2	66.3	67.3	67
GE 2000		66.7	67.3	70.2	70.8	71.0	71.2	72.3	73
GE 1800		68.0	68.7	71.7	72.5	72.7	72.8	74.2	74
GE 1500		71.3	72.2	75.5	77.0	77.2	77.3	78.8	79
GE 1200		74.3	75.3	78.7	80.2	80.3	80.5	82.3	83
GE 1000		75.2	76.3	79.7	81.2	81.3	81.7	83.8	84
GE 900		75.7	76.8	80.5	82.0	82.3	83.0	85.2	86
GE 800		77.7	79.0	83.2	84.7	85.0	85.7	87.8	88
GE 700		78.5	80.0	84.5	86.5	86.8	88.0	90.2	91
GE 600		79.5	81.0	85.8	87.8	88.2	89.3	91.5	92
GE 500		79.5	81.0	85.8	88.2	88.5	90.0	92.3	93
GE 400		79.5	81.0	86.0	88.3	88.7	90.2	92.7	93
GE 300		79.5	81.0	86.0	88.3	88.7	90.2	92.8	93
GE 200		79.5	81.0	86.0	88.3	88.7	90.2	92.8	93
GE 100		79.5	81.0	86.0	88.3	88.7	90.2	92.8	93
GE 0		79.5	81.0	86.0	88.3	88.7	90.2	92.8	93

TOTAL NUMBER OF OBSERVATIONS: 600

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 81-87
MONTH: JAN HOURS(LST): 2100-2300

	VISIBILITY IN HUNDREDS OF METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
2	33.3	33.3	33.7	33.8	34.0	34.0	34.0	34.3	34.5	34.8
7	35.8	35.8	36.2	36.3	36.5	36.5	36.5	36.8	37.0	37.3
7	35.8	35.8	36.2	36.3	36.5	36.5	36.5	36.8	37.0	37.3
7	35.8	35.8	36.2	36.3	36.5	36.5	36.5	36.8	37.0	37.3
7	35.8	35.8	36.2	36.3	36.5	36.5	36.5	36.8	37.0	37.3
7	35.8	35.8	36.2	36.3	36.5	36.5	36.5	36.8	37.0	37.3
5	36.7	36.7	37.0	37.2	37.3	37.3	37.3	37.7	37.8	38.2
7	37.8	37.8	38.2	38.3	38.5	38.5	38.5	38.8	39.0	39.3
5	40.7	40.7	41.0	41.2	41.3	41.3	41.3	41.7	41.8	42.2
7	42.8	42.8	43.2	43.3	43.5	43.5	43.5	43.8	44.0	44.3
8	43.0	43.0	43.3	43.5	43.7	43.7	43.7	44.0	44.2	44.5
3	47.5	47.5	48.0	48.3	48.8	48.8	48.8	49.2	49.3	49.7
7	48.8	48.8	49.3	49.7	50.2	50.2	50.2	50.5	50.7	51.0
5	52.7	52.8	53.3	53.7	54.2	54.2	54.2	54.5	54.7	55.0
5	56.7	56.8	57.3	57.7	58.2	58.2	58.2	58.5	58.7	59.0
2	63.3	63.8	64.3	64.7	65.2	65.2	65.2	65.7	65.8	66.2
2	66.3	67.3	67.8	68.2	68.7	68.7	68.7	69.2	69.3	69.7
3	71.2	72.3	73.0	73.3	73.8	73.8	73.8	74.3	74.5	74.8
7	72.8	74.2	74.8	75.2	75.7	75.7	75.7	76.2	76.3	76.7
2	77.3	78.8	79.5	79.8	80.5	80.5	80.5	81.0	81.2	81.5
3	80.5	82.3	83.0	83.3	84.0	84.0	84.0	84.5	84.7	85.0
3	81.7	83.8	84.7	85.7	86.3	86.3	86.3	86.8	87.0	87.3
3	83.0	85.2	86.0	87.0	87.7	87.7	87.7	88.2	88.3	88.7
	85.7	87.8	88.7	89.7	90.3	90.3	90.3	90.8	91.0	91.3
3	88.0	90.2	91.0	92.0	92.7	92.7	92.7	93.2	93.3	93.7
	89.3	91.5	92.3	93.3	94.0	94.0	94.0	94.5	94.7	95.0
	90.0	92.3	93.2	94.2	94.8	94.8	94.8	95.8	96.0	96.3
	90.2	92.7	93.5	94.8	95.7	95.7	95.7	96.7	96.8	97.2
	90.2	92.8	93.8	95.2	96.0	96.0	96.0	97.3	97.5	97.8
	90.2	92.8	93.8	95.7	96.7	96.7	96.8	98.2	98.3	99.0
	90.2	92.8	93.8	95.7	96.7	96.7	96.8	98.2	98.3	99.2
	90.2	92.8	93.8	95.7	96.7	96.7	96.8	98.2	98.3	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CI
FROM HOURLY OBSERVAT

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	CT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUNDREDS GE 32	GE 24	GE 20
NO CEIL	2.0	27.1	27.6	28.4	28.8	28.9	29.2	29.4	29.5
GE 20000	3.3	31.1	31.7	32.7	33.2	33.2	33.5	33.8	33.9
GE 18000	3.3	31.3	31.9	32.9	33.4	33.5	33.8	34.1	34.2
GE 16000	3.3	31.3	31.9	32.9	33.4	33.5	33.8	34.1	34.2
GE 14000	3.4	31.5	32.1	33.1	33.6	33.7	34.0	34.3	34.4
GE 12000	3.9	32.3	32.9	34.0	34.5	34.6	34.9	35.2	35.3
GE 10000	4.1	34.2	34.8	35.9	36.5	36.5	36.9	37.1	37.2
GE 9000	4.1	35.1	35.7	36.9	37.4	37.5	37.8	38.1	38.2
GE 8000	4.1	37.7	38.3	39.6	40.3	40.4	40.8	41.1	41.3
GE 7000	4.2	38.4	39.1	40.5	41.3	41.4	41.8	42.2	42.3
GE 6000	4.3	39.0	39.7	41.1	41.9	42.0	42.5	42.9	43.1
GE 5000	4.6	41.8	42.6	44.2	45.3	45.4	45.9	46.4	46.6
GE 4500	4.9	43.7	44.7	46.5	47.5	47.7	48.2	48.8	49.0
GE 4000	5.4	47.4	48.5	50.5	51.7	51.8	52.4	53.1	53.3
GE 3500	6.2	50.0	51.2	53.4	54.7	54.9	55.6	56.2	56.4
GE 3000	6.9	56.2	57.5	60.2	61.5	61.7	62.5	63.4	63.6
GE 2500	7.4	58.8	60.2	63.1	64.7	64.8	65.7	66.8	67.1
GE 2000	8.1	63.3	65.2	68.6	70.3	70.5	71.5	72.8	73.1
GE 1800	8.3	64.5	66.5	70.0	71.8	72.0	73.0	74.4	74.7
GE 1500	8.8	68.0	70.1	74.1	76.0	76.3	77.4	78.9	79.3
GE 1200	9.2	70.6	72.9	77.5	79.5	79.8	81.1	82.7	83.3
GE 1000	9.5	72.4	74.9	79.6	81.8	82.1	83.5	85.3	85.9
GE 900	9.5	72.9	75.3	80.3	82.6	82.9	84.4	86.3	86.9
GE 800	9.5	73.8	76.3	81.7	84.0	84.4	86.1	87.9	88.5
GE 700	9.6	74.7	77.3	83.1	85.7	86.0	87.8	89.8	90.5
GE 600	9.6	75.0	77.7	83.7	86.4	86.8	88.8	90.9	91.7
GE 500	9.6	75.1	77.9	84.0	86.9	87.3	89.3	91.5	92.4
GE 400	9.6	75.2	78.0	84.3	87.3	87.7	89.7	92.0	92.9
GE 300	9.6	75.2	78.0	84.3	87.3	87.8	89.9	92.3	93.2
GE 200	9.6	75.2	78.0	84.3	87.3	87.8	89.9	92.4	93.4
GE 100	9.6	75.2	78.0	84.3	87.4	87.8	90.0	92.4	93.4
GE 0	9.6	75.2	78.0	84.3	87.4	87.8	90.0	92.4	93.4

TOTAL NUMBER OF OBSERVATIONS: 6111

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: JAN HOURS(LST): ALL

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
28.9	29.2	29.4	29.5	29.8	29.9	30.0	30.1	30.2	30.4	30.5
33.2	33.5	33.8	33.9	34.2	34.3	34.4	34.5	34.6	34.9	35.0
33.5	33.8	34.1	34.2	34.5	34.6	34.7	34.8	34.9	35.2	35.3
33.5	33.8	34.1	34.2	34.6	34.7	34.7	34.8	35.0	35.2	35.3
33.7	34.0	34.3	34.4	34.8	34.9	34.9	35.0	35.1	35.4	35.5
34.6	34.9	35.2	35.3	35.7	35.8	35.9	36.0	36.1	36.3	36.5
36.5	36.9	37.1	37.2	37.6	37.7	37.8	37.9	38.0	38.3	38.4
37.5	37.8	38.1	38.2	38.7	38.8	38.9	39.0	39.1	39.3	39.5
41.4	40.8	41.1	41.3	41.8	41.9	42.0	42.1	42.2	42.4	42.6
41.4	41.8	42.2	42.3	42.9	43.0	43.1	43.2	43.3	43.5	43.7
42.0	42.5	42.9	43.1	43.6	43.7	43.8	43.9	44.0	44.3	44.4
45.4	45.9	46.4	46.6	47.2	47.4	47.5	47.6	47.8	48.0	48.2
47.7	48.2	48.8	49.0	49.7	49.8	49.9	50.1	50.2	50.5	50.6
51.8	52.4	53.1	53.3	54.0	54.1	54.3	54.4	54.5	54.8	55.0
54.9	55.6	56.2	56.4	57.1	57.3	57.5	57.6	57.7	58.0	58.2
61.7	62.5	63.4	63.6	64.4	64.6	64.7	64.8	65.0	65.2	65.4
64.8	65.7	66.8	67.1	67.9	68.1	68.2	68.3	68.5	68.8	68.9
70.5	71.5	72.8	73.1	73.9	74.2	74.3	74.4	74.7	74.9	75.1
72.0	73.0	74.4	74.7	75.5	75.7	75.9	76.0	76.2	76.5	76.7
76.3	77.4	78.9	79.3	80.2	80.5	80.6	80.7	81.0	81.3	81.4
79.8	81.1	82.7	83.3	84.4	84.7	84.8	85.0	85.2	85.5	85.7
82.1	83.5	85.3	85.9	87.2	87.7	87.8	88.1	88.3	88.6	88.8
82.9	84.4	86.3	86.9	88.2	88.6	88.8	89.1	89.3	89.6	89.7
84.4	86.1	87.9	88.5	89.8	90.3	90.5	90.7	91.0	91.3	91.5
86.0	87.8	89.8	90.5	91.9	92.4	92.6	92.8	93.1	93.4	93.6
86.8	88.8	90.9	91.7	93.1	93.6	93.9	94.1	94.4	94.8	95.0
87.3	89.3	91.5	92.4	93.9	94.5	94.7	95.1	95.5	95.9	96.2
87.7	89.7	92.0	92.9	94.5	95.1	95.4	95.8	96.3	96.8	97.0
87.8	89.9	92.3	93.2	94.9	95.6	95.9	96.3	97.0	97.6	98.1
87.8	89.9	92.4	93.4	95.2	95.9	96.2	96.7	97.5	98.2	98.9
87.8	90.0	92.4	93.4	95.3	95.9	96.3	96.8	97.7	98.4	99.2
87.8	90.0	92.4	93.4	95.3	95.9	96.3	96.8	97.7	98.5	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	.7	23.4	24.1	26.5	28.9	29.1	30.1	30.5	30
GE 20000	1.0	24.8	25.6	28.0	30.5	31.1	32.0	32.7	33
GE 18000	1.0	24.9	25.7	28.2	30.6	31.2	32.1	32.8	33
GE 16000	1.0	25.0	25.9	28.3	30.8	31.3	32.3	33.0	33
GE 14000	1.0	25.0	25.9	28.3	30.8	31.3	32.3	33.0	33
GE 12000	1.0	25.3	26.1	28.6	31.1	31.6	32.6	33.2	33
GE 10000	1.2	26.4	27.2	29.7	32.1	32.7	33.7	34.3	34
GE 9000	1.2	26.5	27.4	29.8	32.3	32.8	33.8	34.5	34
GE 8000	1.2	28.0	28.9	31.3	33.9	34.5	35.7	36.4	36
GE 7000	1.4	28.7	29.5	32.4	35.0	35.7	36.9	37.6	38
GE 6000	1.4	29.3	30.1	33.0	35.6	36.3	37.5	38.2	38
GE 5000	1.4	31.3	32.1	35.0	37.6	38.3	39.5	40.5	40
GE 4500	1.5	34.3	35.2	38.3	40.9	41.7	43.0	44.0	44
GE 4000	1.6	37.2	38.0	41.9	44.6	45.4	46.6	47.9	48
GE 3500	1.6	40.4	41.2	45.1	47.9	48.7	49.9	51.4	51
GE 3000	2.1	43.0	43.8	47.9	50.9	51.7	53.1	54.7	55
GE 2500	2.2	44.6	45.6	50.1	53.2	54.0	55.5	57.2	57
GE 2000	2.5	49.2	50.6	56.0	59.6	60.5	62.0	63.6	64
GE 1800	2.5	49.6	51.2	56.9	60.6	61.4	62.9	64.6	65
GE 1500	2.6	53.1	54.9	60.9	64.7	65.5	67.0	68.8	69
GE 1200	2.6	54.7	57.3	65.1	69.1	69.9	72.0	74.1	74
GE 1000	2.6	56.0	58.5	67.2	71.3	72.4	74.7	76.9	78
GE 900	2.6	56.4	59.1	67.9	72.1	73.3	75.6	78.0	79
GE 800	2.7	57.0	59.9	68.8	73.1	74.6	77.0	79.3	80
GE 700	2.7	58.0	60.9	70.2	74.4	75.9	78.8	81.7	83
GE 600	2.7	58.1	61.0	70.7	75.2	77.0	80.3	84.0	85
GE 500	2.7	58.7	61.6	71.5	76.2	78.0	81.4	85.5	87
GE 400	2.7	58.8	61.7	72.4	77.6	79.3	83.0	87.6	89
GE 300	2.7	58.8	61.7	72.5	77.8	79.6	83.4	88.2	90
GE 200	2.7	58.8	61.7	72.5	77.8	79.8	83.6	88.6	90
GE 100	2.7	58.8	61.7	72.5	77.8	79.8	83.6	88.6	90
GE 0	2.7	58.8	61.7	72.5	77.8	79.8	83.6	88.6	90

TOTAL NUMBER OF OBSERVATIONS: 731

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ON

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 0000-0200

F

GE	VISIBILITY IN HUNDREDS OF METERS									
1 GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	40	32	24	20	16	12	10	8	5	4	0
1.											
	9.1	30.1	30.5	30.9	31.5	31.7	31.7	32.1	32.6	32.7	33.4
3.											
3.	1.1	32.0	32.7	33.1	33.7	33.9	33.9	34.3	34.7	34.9	35.8
3.	1.2	32.1	32.8	33.2	33.8	34.1	34.1	34.5	34.9	35.0	36.0
3.	1.3	32.3	33.0	33.4	33.9	34.2	34.2	34.6	35.0	35.2	36.1
4.	1.3	32.3	33.0	33.4	33.9	34.2	34.2	34.6	35.0	35.2	36.1
	1.6	32.6	33.2	33.7	34.2	34.5	34.5	34.9	35.3	35.4	36.4
5.											
5.	2.7	33.7	34.3	34.7	35.3	35.6	35.6	36.0	36.4	36.5	37.5
7.	2.8	33.8	34.5	34.9	35.4	35.7	35.7	36.1	36.5	36.7	37.6
8.	4.5	35.7	36.4	36.8	37.3	37.6	37.6	38.0	38.4	38.6	39.5
9.	5.7	36.9	37.6	38.0	38.6	38.9	38.9	39.3	39.7	39.8	40.8
	6.3	37.5	38.2	38.6	39.1	39.4	39.4	39.8	40.2	40.4	41.3
1.											
5.	8.3	39.5	40.5	40.9	41.5	41.7	41.9	42.3	42.7	42.8	43.8
8.	1.7	43.0	44.0	44.5	45.0	45.3	45.4	45.8	46.2	46.4	47.3
2.	5.4	46.6	47.9	48.3	48.8	49.1	49.2	49.7	50.1	50.2	51.2
5.	8.7	49.9	51.4	51.8	52.4	52.7	52.8	53.2	53.6	53.8	54.7
	1.7	53.1	54.7	55.1	55.7	56.0	56.1	56.5	56.9	57.0	58.0
8.											
4.	4.0	55.5	57.2	57.6	58.3	58.5	58.7	59.1	59.5	59.6	60.6
5.	0.5	62.0	63.6	64.0	64.7	65.0	65.1	65.5	65.9	66.1	67.0
0.	1.4	62.9	64.6	65.0	65.7	65.9	66.1	66.5	66.9	67.0	68.0
5.	3.5	67.0	68.8	69.4	70.0	70.3	70.5	70.9	71.3	71.4	72.5
	9.9	72.0	74.1	74.8	75.5	75.8	75.9	76.3	76.7	76.9	78.0
9.											
0.	2.4	74.7	76.9	78.1	79.1	79.3	79.5	79.9	80.3	80.4	81.5
1.	3.3	75.6	78.0	79.2	80.2	80.4	80.6	81.0	81.4	81.5	82.6
4.	4.6	77.0	79.3	80.8	81.8	82.1	82.2	82.6	83.0	83.2	84.3
6.	5.9	78.8	81.7	83.2	84.1	84.4	84.5	85.0	85.4	85.5	86.6
	7.0	80.3	84.0	85.6	86.9	87.1	87.3	87.7	88.1	88.2	89.3
9.											
1.	8.0	81.4	85.5	87.3	89.1	89.3	89.5	89.9	90.6	90.7	91.8
2.	9.3	83.0	87.6	89.5	91.7	91.9	92.1	92.5	93.2	93.4	94.5
3.	9.6	83.4	88.2	90.3	92.6	92.9	93.0	93.4	94.1	94.4	95.5
3.	9.8	83.6	88.6	90.8	93.3	93.7	94.0	94.5	95.3	95.9	97.4
	9.8	83.6	88.6	90.8	93.3	93.8	94.1	94.7	95.5	96.2	98.6
3.											
	9.8	83.6	88.6	90.8	93.3	93.8	94.1	94.7	96.0	97.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUN							
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
NO CEIL	.7	21.3	22.5	25.0	26.2	26.5	27.3	27.7
GE 20000	.7	22.5	24.0	26.6	27.9	28.1	29.0	29.6
GE 18000	.7	22.5	24.0	26.6	27.9	28.1	29.0	29.6
GE 16000	.7	22.5	24.0	26.6	27.9	28.1	29.0	29.6
GE 14000	.7	22.7	24.2	26.8	28.0	28.3	29.1	29.8
GE 12000	.8	23.1	24.6	27.2	28.4	28.7	29.5	30.2
GE 10000	1.1	24.5	26.1	28.7	30.2	30.5	31.3	32.0
GE 9000	1.1	25.1	26.8	29.4	30.9	31.1	32.0	32.7
GE 8000	1.2	26.0	27.6	30.5	32.0	32.2	33.2	33.9
GE 7000	1.4	26.4	28.1	31.0	32.5	32.8	33.7	34.4
GE 6000	1.5	27.9	29.9	32.9	34.4	34.7	35.8	36.5
GE 5000	1.5	29.9	32.0	35.1	36.9	37.2	38.5	39.3
GE 4500	1.5	32.8	35.0	38.5	40.6	40.8	42.2	43.0
GE 4000	1.6	35.2	37.6	41.3	43.3	43.6	45.1	46.0
GE 3500	1.6	38.3	40.6	44.4	46.4	46.7	48.4	49.3
GE 3000	1.9	41.7	44.1	48.2	50.5	50.8	53.0	54.0
GE 2500	1.9	42.6	45.1	49.5	52.0	52.3	54.5	55.6
GE 2000	1.9	45.8	48.6	53.8	57.1	57.4	59.7	60.9
GE 1800	1.9	45.9	48.8	54.2	57.7	57.9	60.2	61.5
GE 1500	1.9	48.1	51.0	58.1	62.2	62.4	64.8	66.0
GE 1200	2.2	50.3	53.6	61.7	66.1	66.4	69.3	70.8
GE 1000	2.2	51.0	54.4	63.4	68.2	68.4	71.4	73.2
GE 900	2.3	51.1	54.8	63.9	68.7	69.3	72.8	74.6
GE 800	2.3	51.9	55.6	65.0	69.9	70.6	74.3	76.5
GE 700	2.3	52.9	56.6	66.1	71.3	72.0	76.0	78.3
GE 600	2.5	53.6	57.2	67.1	72.3	73.0	77.2	80.3
GE 500	2.5	54.0	57.9	67.8	73.0	73.6	78.3	82.0
GE 400	2.5	54.0	57.9	68.6	74.3	75.0	79.9	84.2
GE 300	2.5	54.0	57.9	69.0	75.0	75.7	80.7	85.5
GE 200	2.5	54.0	57.9	69.0	75.1	75.8	80.9	86.7
GE 100	2.5	54.0	57.9	69.0	75.1	75.8	80.9	86.7
GE 0	2.5	54.0	57.9	69.0	75.1	75.8	80.9	86.7

TOTAL NUMBER OF OBSERVATIONS: 732

CY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 0300-0500

SIBILITY IN HUNDREDS OF METERS GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
27.3	27.7	27.7	28.3	28.6	28.8	29.1	29.2	29.6	30.3
29.0	29.6	29.6	30.5	30.7	31.0	31.3	31.4	31.8	32.5
29.0	29.6	29.6	30.5	30.7	31.0	31.3	31.4	31.8	32.5
29.0	29.6	29.6	30.5	30.7	31.0	31.3	31.4	31.8	32.5
29.1	29.8	29.8	30.6	30.9	31.1	31.4	31.6	32.0	32.7
29.5	30.2	30.2	31.0	31.3	31.6	31.8	32.0	32.4	33.1
31.3	32.0	32.0	32.8	33.1	33.3	33.6	33.7	34.2	34.8
32.0	32.7	32.7	33.5	33.7	34.0	34.3	34.4	34.8	35.5
33.2	33.9	33.9	34.7	35.0	35.2	35.5	35.7	36.1	36.7
33.7	34.4	34.4	35.2	35.5	35.8	36.1	36.2	36.6	37.3
35.8	36.5	36.5	37.3	37.6	37.8	38.1	38.3	38.7	39.3
38.5	39.3	39.3	40.4	40.7	41.0	41.3	41.4	41.8	42.5
42.2	43.0	43.0	44.3	44.5	44.8	45.1	45.2	45.6	46.3
45.1	46.0	46.0	47.3	47.5	47.8	48.1	48.2	48.6	49.3
48.4	49.3	49.5	50.8	51.1	51.4	51.6	51.8	52.2	52.9
53.0	54.0	54.1	55.5	55.7	56.0	56.3	56.4	56.8	57.5
54.5	55.6	55.7	57.1	57.4	57.7	57.9	58.1	58.5	59.2
59.7	60.9	61.1	62.6	62.8	63.1	63.4	63.5	63.9	64.8
60.2	61.5	61.6	63.1	63.4	63.7	63.9	64.1	64.5	65.3
64.8	66.0	66.1	67.6	67.9	68.2	68.4	68.7	69.1	69.9
69.3	70.8	70.9	72.4	72.7	73.0	73.2	73.5	73.9	74.7
71.4	73.2	73.8	75.3	75.5	75.8	76.1	76.4	76.8	77.6
72.8	74.6	75.1	76.6	76.9	77.2	77.5	77.7	78.1	79.0
74.3	76.5	77.0	78.6	78.8	79.2	79.5	79.9	80.3	81.1
76.0	78.3	79.0	81.0	81.3	81.7	82.0	82.4	82.8	83.6
77.2	80.3	81.0	83.1	83.3	83.7	84.0	84.6	85.0	85.8
78.3	82.0	82.8	85.0	85.5	86.1	86.5	87.3	87.8	88.7
79.9	84.2	85.2	87.6	88.1	88.7	89.2	90.0	90.6	91.4
80.7	85.5	86.7	89.2	89.9	90.4	91.1	91.9	92.5	93.3
80.9	86.7	88.4	90.8	91.5	92.1	92.8	93.6	94.4	96.4
80.9	86.7	88.5	91.0	91.7	92.2	92.9	94.0	94.8	98.4
80.9	86.7	88.5	91.0	91.7	92.3	93.0	94.4	95.2	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRED								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	.9	14.2	14.8	17.1	19.1	19.3	20.7	21.2	21.7
GE 20000	1.0	16.0	17.2	19.8	22.0	22.1	24.1	24.7	25.5
GE 18000	1.0	16.0	17.2	19.8	22.0	22.1	24.2	24.9	25.7
GE 16000	1.0	16.0	17.2	19.8	22.0	22.1	24.2	24.9	25.7
GE 14000	1.0	16.3	17.4	20.1	22.3	22.4	24.5	25.1	25.9
GE 12000	1.3	16.7	17.8	20.4	22.7	22.8	24.9	25.5	26.3
GE 10000	1.3	17.3	18.5	21.1	23.3	23.4	25.5	26.2	27.0
GE 9000	1.3	17.7	18.9	21.5	23.7	23.8	25.9	26.6	27.3
GE 8000	1.3	19.0	20.2	22.8	25.1	25.3	27.3	28.0	28.8
GE 7000	1.3	19.9	21.1	23.7	26.2	26.3	28.4	29.0	29.8
GE 6000	1.3	20.7	22.0	24.6	27.1	27.2	29.3	29.9	30.7
GE 5000	1.4	23.6	25.3	28.0	31.0	31.1	33.2	34.0	35.0
GE 4500	1.4	25.8	27.5	30.3	33.6	33.7	36.1	36.8	37.9
GE 4000	1.4	28.3	29.9	33.5	36.8	37.0	39.6	40.6	41.9
GE 3500	1.4	31.1	32.8	36.7	40.2	40.4	43.0	44.1	45.4
GE 3000	1.4	33.5	35.3	39.8	43.4	43.6	46.4	47.5	48.8
GE 2500	1.4	34.4	36.2	41.3	44.8	45.2	48.0	49.3	50.7
GE 2000	1.6	37.9	39.8	46.2	50.5	51.3	54.4	55.9	57.2
GE 1800	1.8	39.1	41.1	47.7	52.0	52.7	56.0	57.4	58.7
GE 1500	1.8	40.9	43.4	51.3	56.4	57.2	60.4	62.1	63.5
GE 1200	1.8	42.7	45.8	54.3	59.5	60.3	64.2	66.0	67.4
GE 1000	2.0	43.8	47.4	56.6	62.1	63.0	67.2	69.5	71.0
GE 900	2.1	44.5	48.3	57.6	63.5	64.5	69.1	71.6	73.2
GE 800	2.1	45.4	49.3	58.9	65.0	65.9	71.4	74.1	75.7
GE 700	2.1	46.7	50.7	60.2	66.5	67.4	73.0	75.8	77.5
GE 600	2.1	47.7	51.6	61.3	68.0	68.9	74.7	77.9	79.6
GE 500	2.1	47.9	52.0	62.1	68.9	69.8	75.8	79.7	81.4
GE 400	2.2	48.3	52.3	62.6	69.4	70.4	76.7	81.1	83.1
GE 300	2.2	48.4	52.5	62.9	69.7	70.8	77.1	82.0	84.5
GE 200	2.2	48.4	52.5	62.9	69.7	70.8	77.1	82.3	85.3
GE 100	2.2	48.4	52.5	62.9	69.7	70.8	77.1	82.4	85.4
GE 0	2.2	48.4	52.5	62.9	69.7	70.8	77.1	82.4	85.4

TOTAL NUMBER OF OBSERVATIONS: 768

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 0600-0800

CE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
			VISIBILITY IN HUNDREDS OF METERS							
19.3	20.7	21.2	21.7	22.4	22.4	22.5	22.8	23.0	23.2	23.8
22.1	24.1	24.7	25.5	26.2	26.2	26.3	26.6	26.8	27.1	27.7
22.1	24.2	24.9	25.7	26.3	26.3	26.4	26.7	27.0	27.2	27.9
22.1	24.2	24.9	25.7	26.3	26.3	26.4	26.7	27.0	27.2	27.9
22.4	24.5	25.1	25.9	26.6	26.6	26.7	27.0	27.2	27.5	28.1
22.8	24.9	25.5	26.3	27.0	27.0	27.1	27.3	27.6	27.9	28.5
23.4	25.5	26.2	27.0	27.6	27.6	27.7	28.0	28.3	28.5	29.2
23.8	25.9	26.6	27.3	28.0	28.0	28.1	28.4	28.6	28.9	29.6
25.3	27.3	28.0	28.8	29.4	29.4	29.6	29.8	30.1	30.3	31.0
26.3	28.4	29.0	29.8	30.5	30.5	30.6	30.9	31.1	31.4	32.0
27.2	29.3	29.9	30.7	31.4	31.4	31.5	31.8	32.0	32.3	32.9
31.1	33.2	34.0	35.0	35.8	35.8	35.9	36.2	36.5	36.7	37.5
33.7	36.1	36.8	37.9	38.8	38.8	38.9	39.2	39.5	39.7	40.5
37.0	39.6	40.6	41.9	43.1	43.2	43.4	43.6	43.9	44.1	44.9
40.4	43.0	44.1	45.4	47.0	47.1	47.3	47.5	47.8	48.0	48.8
43.6	46.4	47.5	48.8	50.7	50.8	50.9	51.2	51.4	51.7	52.5
45.2	48.0	49.3	50.7	52.5	52.6	52.7	53.0	53.3	53.5	54.3
51.3	54.4	55.9	57.2	59.0	59.1	59.2	59.5	59.8	60.0	60.8
52.7	56.0	57.4	58.7	60.5	60.7	60.8	61.1	61.3	61.6	62.4
57.2	60.4	62.1	63.5	65.6	65.8	65.9	66.1	66.4	66.7	67.4
60.3	64.2	66.0	67.4	69.5	69.7	69.8	70.1	70.3	70.6	71.4
63.0	67.2	69.5	71.0	73.2	73.3	73.6	73.8	74.1	74.3	75.1
64.5	69.1	71.6	73.2	75.4	75.5	75.8	76.0	76.3	76.6	77.3
65.9	71.4	74.1	75.7	77.9	78.1	78.4	78.6	78.9	79.2	79.9
67.4	73.0	75.8	77.5	79.8	80.1	80.3	80.6	80.9	81.1	81.9
68.9	74.7	77.9	79.6	81.9	82.3	82.7	82.9	83.2	83.5	84.2
69.8	75.8	79.7	81.4	84.0	84.5	84.9	85.2	85.5	85.8	86.6
70.4	76.7	81.1	83.1	85.8	86.3	86.8	87.1	87.6	87.9	88.7
70.8	77.1	82.0	84.5	87.8	88.7	89.3	89.6	90.4	90.9	92.1
70.8	77.1	82.3	85.3	88.8	90.0	90.8	91.3	92.6	93.1	95.6
70.8	77.1	82.4	85.4	89.1	90.2	91.0	91.5	93.2	93.9	98.0
70.8	77.1	82.4	85.4	89.1	90.2	91.1	91.7	93.6	94.3	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRI								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	.6	11.2	11.9	14.2	16.8	17.0	17.9	18.8	19.
GE 20000	.8	13.4	14.4	17.9	21.0	21.3	23.2	24.4	25.
GE 18000	.8	13.6	14.7	18.3	21.4	21.7	23.8	25.1	26.
GE 16000	.8	13.6	14.7	18.3	21.4	21.7	23.8	25.1	26.
GE 14000	.8	13.8	14.9	18.6	21.7	22.1	24.2	25.5	26.
GE 12000	.8	14.7	15.8	19.6	22.7	23.1	25.2	26.5	27.
GE 10000	.8	16.0	17.3	21.4	24.8	25.3	27.4	28.7	30.
GE 9000	.8	16.9	18.4	22.6	26.0	26.5	28.6	29.9	31.
GE 8000	.8	18.1	19.9	24.4	27.8	28.3	30.6	32.2	33.
GE 7000	.8	18.7	20.5	25.6	29.1	29.6	31.9	33.6	34.
GE 6000	.8	18.8	20.6	26.0	29.5	30.0	32.3	34.0	35.
GE 5000	1.2	21.9	23.9	29.9	33.6	34.2	36.5	38.6	40.
GE 4500	1.4	24.5	26.5	32.6	36.6	37.1	39.5	41.7	43.
GE 4000	1.4	26.2	28.4	34.7	38.7	39.2	41.6	44.2	45.
GE 3500	1.4	27.7	30.4	37.0	41.3	41.8	44.2	46.8	48.
GE 3000	1.8	29.9	32.6	39.9	44.7	45.2	47.5	50.1	52.
GE 2500	1.9	32.2	35.3	42.9	48.1	48.7	51.2	53.8	55.
GE 2000	2.1	35.2	38.7	47.3	53.1	53.9	56.5	59.4	61.
GE 1800	2.2	36.5	40.0	48.7	54.5	55.3	58.1	61.0	63.
GE 1500	2.2	37.5	41.2	50.1	57.0	57.8	61.0	64.3	66.
GE 1200	2.2	38.6	42.2	53.0	60.1	61.3	65.5	69.1	71.
GE 1000	2.3	40.6	44.7	56.4	63.8	64.9	69.5	73.1	75.
GE 900	2.3	41.2	45.5	57.3	64.8	66.1	70.9	74.8	77.
GE 800	2.3	41.8	46.1	58.4	66.2	67.5	72.6	76.9	79.
GE 700	2.6	42.1	46.4	58.8	67.1	68.4	73.8	78.3	80.
GE 600	2.6	42.6	46.9	59.7	68.2	69.5	75.1	80.3	83.
GE 500	2.6	42.9	47.3	60.5	69.1	70.4	76.0	81.4	84.
GE 400	2.6	43.1	47.5	60.9	69.5	70.8	76.4	82.1	85.
GE 300	2.6	43.1	47.5	61.0	69.6	70.9	76.5	82.6	86.
GE 200	2.6	43.1	47.5	61.0	69.7	71.0	76.6	82.7	86.
GE 100	2.6	43.1	47.5	61.0	69.7	71.0	76.6	82.7	86.
GE 0	2.6	43.1	47.5	61.0	69.7	71.0	76.6	82.7	86.

TOTAL NUMBER OF OBSERVATIONS: 770

ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 0900-1100

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
17.9	18.8	19.7	20.0	20.0	20.0	20.0	20.1	20.6	20.9
23.2	24.4	25.7	26.0	26.0	26.0	26.0	26.1	26.6	26.9
23.8	25.1	26.4	26.6	26.6	26.6	26.6	26.8	27.3	27.5
23.8	25.1	26.4	26.6	26.6	26.6	26.6	26.8	27.3	27.5
24.2	25.5	26.8	27.0	27.0	27.0	27.0	27.1	27.7	27.9
25.2	26.5	27.8	28.1	28.1	28.1	28.1	28.2	28.7	29.0
27.4	28.7	30.0	30.3	30.3	30.3	30.3	30.4	30.9	31.2
28.6	29.9	31.2	31.4	31.4	31.4	31.4	31.6	32.1	32.3
30.6	32.2	33.5	33.8	33.8	33.8	33.8	33.9	34.4	34.7
31.9	33.6	34.9	35.2	35.3	35.3	35.3	35.5	36.0	36.2
32.3	34.0	35.3	35.6	35.7	35.7	35.7	35.8	36.4	36.6
36.5	38.6	40.1	40.5	40.6	40.6	40.8	40.9	41.4	41.7
39.5	41.7	43.2	43.9	44.0	44.0	44.2	44.3	44.8	45.1
41.6	44.2	45.7	46.4	46.8	46.8	46.9	47.0	47.5	47.8
44.2	46.8	48.4	49.2	49.6	49.6	49.7	49.9	50.4	50.6
47.5	50.1	52.1	53.1	53.5	53.5	53.6	53.8	54.3	54.5
51.2	53.8	55.7	56.8	57.1	57.1	57.3	57.4	57.9	58.2
56.5	59.4	61.4	62.5	62.9	62.9	63.0	63.1	63.6	63.9
58.1	61.0	63.2	64.3	64.7	64.7	64.8	64.9	65.5	65.7
61.0	64.3	66.5	67.5	67.9	67.9	68.1	68.2	68.7	69.0
65.5	69.1	71.4	72.9	73.2	73.2	73.4	73.5	74.0	74.3
69.5	73.1	75.5	76.9	77.3	77.3	77.4	77.5	78.1	78.3
70.9	74.8	77.1	78.7	79.1	79.1	79.2	79.4	79.9	80.1
72.6	76.9	79.2	80.8	81.2	81.2	81.3	81.4	81.9	82.2
73.8	78.3	80.8	82.6	83.0	83.0	83.1	83.2	83.8	84.0
75.1	80.3	83.1	85.1	85.8	85.8	86.4	86.6	87.1	87.4
76.0	81.4	84.4	86.5	87.3	87.3	87.9	88.2	88.7	89.0
76.4	82.1	85.3	88.1	88.8	88.8	89.5	89.9	90.4	90.6
76.5	82.6	86.1	89.6	91.0	91.2	91.8	92.2	92.9	94.4
76.6	82.7	86.2	89.9	91.8	92.2	92.9	93.5	94.2	96.4
76.6	82.7	86.2	89.9	91.8	92.3	93.1	94.5	95.2	98.8
76.6	82.7	86.2	89.9	91.8	92.3	93.1	94.9	95.6	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2C
NO CEIL	.8	17.5	17.7	20.3	21.3	22.0	22.8	23.0	23.2
GE 20000	1.6	21.1	21.7	26.0	27.4	28.1	29.0	29.4	29.6
GE 18000	1.6	21.3	22.0	26.3	27.7	28.3	29.2	29.6	29.9
GE 16000	1.6	21.3	22.0	26.3	27.7	28.3	29.2	29.6	29.9
GE 14000	1.6	21.5	22.4	26.8	28.2	28.8	29.8	30.1	30.4
GE 12000	1.6	22.4	23.3	27.9	29.4	30.0	30.9	31.3	31.6
GE 10000	1.8	24.5	25.5	30.3	31.7	32.3	33.2	33.8	34.2
GE 9000	1.8	25.4	26.4	31.3	32.7	33.5	34.4	35.1	35.6
GE 8000	1.8	27.7	28.7	33.8	35.2	36.1	37.0	37.6	38.2
GE 7000	1.9	28.5	29.5	34.5	36.0	36.9	37.8	38.4	38.9
GE 6000	1.9	28.8	29.9	34.9	36.4	37.3	38.2	38.8	39.3
GE 5000	2.1	31.6	32.7	38.4	40.0	41.0	42.3	42.9	43.5
GE 4500	2.1	33.4	34.5	40.4	42.2	43.3	44.8	45.4	46.1
GE 4000	2.2	36.2	37.5	43.5	45.3	46.4	47.9	48.8	49.7
GE 3500	2.3	39.8	41.5	47.9	49.7	50.8	52.3	53.2	54.1
GE 3000	2.3	42.4	44.9	52.4	54.5	55.6	57.2	58.1	59.4
GE 2500	2.8	45.4	48.3	56.1	58.2	59.4	61.1	62.0	63.3
GE 2000	3.5	48.4	51.2	60.4	62.5	64.0	66.6	67.8	69.1
GE 1800	3.5	49.5	52.4	61.8	64.0	65.6	68.6	69.7	71.0
GE 1500	3.6	51.6	54.7	65.3	67.7	69.2	72.7	73.9	75.3
GE 1200	3.6	53.2	56.7	68.4	71.0	72.6	76.6	78.0	79.4
GE 1000	3.6	54.9	58.5	70.6	73.7	75.5	80.1	81.5	83.0
GE 900	3.6	55.1	58.9	71.0	74.4	76.2	80.7	82.1	84.1
GE 800	3.6	55.4	59.5	72.1	75.4	77.4	82.0	83.6	85.8
GE 700	3.6	56.3	60.5	73.2	77.0	78.9	83.6	85.6	87.6
GE 600	3.6	56.9	61.2	74.1	78.0	79.9	84.7	87.7	90.1
GE 500	3.6	56.9	61.2	74.3	78.1	80.2	85.1	88.4	90.8
GE 400	3.6	56.9	61.2	74.4	78.4	80.5	85.4	89.0	91.
GE 300	3.6	56.9	61.2	74.5	78.5	80.7	85.6	89.3	92.
GE 200	3.6	56.9	61.2	74.5	78.5	80.7	85.6	89.4	92.
GE 100	3.6	56.9	61.2	74.5	78.5	80.7	85.6	89.4	92.
GE 0	3.6	56.9	61.2	74.5	78.5	80.7	85.6	89.5	92.

TOTAL NUMBER OF OBSERVATIONS: 773

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 1200-1400

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
2.0	22.8	23.0	23.2	23.3	23.4	23.5	23.5	23.5	23.5	23.5
3.1	29.0	29.4	29.6	29.8	29.9	30.0	30.0	30.0	30.0	30.0
3.3	29.2	29.6	29.9	30.0	30.1	30.3	30.3	30.3	30.3	30.3
3.3	29.2	29.6	29.9	30.0	30.1	30.3	30.3	30.3	30.3	30.3
3.6	29.8	30.1	30.4	30.5	30.7	30.8	30.8	30.8	30.8	30.8
5.0	30.9	31.3	31.6	31.7	31.8	32.0	32.0	32.0	32.0	32.0
2.3	33.2	33.8	34.2	34.3	34.4	34.5	34.5	34.5	34.5	34.5
3.5	34.4	35.1	35.6	35.7	35.8	36.0	36.0	36.0	36.0	36.0
6.1	37.0	37.6	38.2	38.3	38.4	38.6	38.6	38.6	38.6	38.6
8.9	37.8	38.4	38.9	39.1	39.2	39.3	39.3	39.3	39.3	39.3
7.3	38.2	38.8	39.3	39.5	39.6	39.7	39.7	39.7	39.7	39.7
1.0	42.3	42.9	43.5	43.6	43.9	44.0	44.0	44.0	44.0	44.0
3.3	44.8	45.4	46.1	46.2	46.4	46.6	46.6	46.6	46.6	46.6
6.4	47.9	48.8	49.7	49.8	50.1	50.2	50.2	50.2	50.2	50.2
5.6	52.3	53.2	54.1	54.2	54.5	54.6	54.6	54.6	54.6	54.6
5.6	57.2	58.1	59.4	59.5	59.8	59.9	59.9	59.9	59.9	59.9
0.4	61.1	62.0	63.3	63.4	63.6	63.8	63.8	63.8	63.8	63.8
4.0	66.6	67.8	69.1	69.2	69.5	69.6	69.6	69.6	69.6	69.6
0.6	68.6	69.7	71.0	71.2	71.4	71.5	71.5	71.5	71.5	71.5
9.2	72.7	73.9	75.3	75.4	75.7	75.8	75.8	75.8	75.8	75.8
2.6	76.6	78.0	79.8	80.2	80.5	80.6	80.6	80.6	80.6	80.6
5.5	80.1	81.5	83.4	84.0	84.2	84.3	84.3	84.3	84.5	84.5
5.2	80.7	82.1	84.2	84.9	85.1	85.3	85.3	85.3	85.4	85.4
7.4	82.0	83.6	85.8	86.5	86.8	86.9	86.9	86.9	87.1	87.1
8.9	83.6	85.6	87.8	88.7	89.0	89.3	89.3	89.3	89.4	89.4
5.9	84.7	87.7	90.2	91.2	91.5	91.8	91.8	91.8	92.0	92.0
0.2	85.1	88.4	90.8	92.2	92.6	93.0	93.0	93.0	93.1	93.1
1.5	85.4	89.0	91.7	94.0	94.4	95.1	95.3	95.6	95.7	95.7
1.7	85.6	89.3	92.4	95.0	96.1	96.8	97.4	97.7	97.8	97.8
0.7	85.6	89.4	92.5	95.2	97.0	97.7	98.4	98.7	98.8	98.8
1.7	85.6	89.4	92.5	95.2	97.0	97.7	98.4	99.0	99.1	99.2
0.7	85.6	89.5	92.6	95.3	97.2	97.8	98.6	99.4	99.5	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUNDI GE 32	GE 24	GI
NC CEIL	.9	18.8	19.5	21.0	21.3	21.6	22.1	22.9	22
GE 20000	1.7	25.1	26.1	29.4	30.1	30.4	31.2	32.0	32.
GE 18000	1.9	25.4	26.4	29.6	30.4	30.7	31.4	32.2	32.
GE 16000	1.9	25.4	26.4	29.6	30.4	30.7	31.4	32.2	32.
GE 14000	1.9	25.7	26.8	30.0	30.8	31.0	31.8	32.6	32.
GE 12000	2.2	26.3	27.3	30.9	31.7	32.0	32.7	33.8	33.
GE 10000	2.5	29.8	30.8	34.8	35.7	36.0	36.9	37.9	38.
GE 9000	2.5	30.8	31.8	36.0	36.9	37.1	38.2	39.2	39.
GE 8000	2.5	32.5	33.6	38.3	39.2	39.5	40.5	41.5	41.
GE 7000	2.5	32.6	33.8	38.4	39.5	39.7	40.8	41.8	42.
GE 6000	2.5	33.1	34.3	39.2	40.4	40.8	41.8	42.9	43.
GE 5000	2.5	35.3	36.9	41.9	43.3	43.9	44.9	46.1	46.
GE 4500	2.5	38.6	40.2	46.1	47.6	48.3	49.4	50.8	51.
GE 4000	3.0	43.5	45.4	51.6	53.2	53.9	55.1	56.7	56.
GE 3500	3.1	47.0	48.9	55.4	56.9	57.7	58.9	60.4	60.
GE 3000	4.0	51.4	53.6	60.9	62.5	63.4	64.9	66.8	67.
GE 2500	4.0	51.9	54.2	61.7	63.3	64.2	65.7	67.9	68.
GE 2000	4.0	55.1	57.6	65.5	67.4	68.4	70.5	72.8	73.
GE 1800	4.0	56.0	58.6	66.8	68.7	69.7	71.8	74.3	74.
GE 1500	4.0	57.1	59.6	70.2	72.7	73.7	76.8	79.9	80.
GE 1200	4.0	59.4	62.4	73.7	76.8	78.0	81.6	85.3	86.
GE 1000	4.1	60.5	63.6	75.8	79.3	80.6	84.5	88.2	89.
GE 900	4.1	60.8	64.0	76.2	79.7	81.0	85.0	88.7	89.
GE 800	4.1	61.6	64.9	77.2	80.7	82.0	86.0	89.8	90.
GE 700	4.1	62.1	65.7	78.1	81.8	83.2	87.2	91.2	92.
GE 600	4.1	62.4	66.0	78.4	82.4	83.8	87.8	92.0	92.
GE 500	4.1	62.4	66.1	78.5	82.7	84.1	88.1	92.5	93.
GE 400	4.1	62.4	66.1	78.7	82.9	84.5	88.9	93.3	94.
GE 300	4.1	62.4	66.1	78.9	83.3	84.9	89.3	93.8	95.
GE 200	4.1	62.4	66.1	78.9	83.3	84.9	89.3	93.9	95.
GE 100	4.1	62.4	66.1	78.9	83.3	84.9	89.3	93.9	95.
GE 0	4.1	62.4	66.1	78.9	83.3	84.9	89.3	93.9	95.

TOTAL NUMBER OF OBSERVATIONS: 773

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 1500-1700

VISIBILITY IN HUNDREDS OF METERS									
GE 0	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
6	22.1	22.9	22.9	23.2	23.2	23.2	23.2	23.2	23.2	23.2
4	31.2	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2
7	31.4	32.2	32.2	32.5	32.5	32.5	32.5	32.5	32.5	32.5
7	31.4	32.2	32.2	32.5	32.5	32.5	32.5	32.5	32.5	32.5
0	31.8	32.6	32.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9
0	32.7	33.8	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0
0	36.9	37.9	38.2	38.6	38.6	38.6	38.6	38.6	38.6	38.6
1	38.2	39.2	39.5	39.8	39.8	39.8	39.8	39.8	39.8	39.8
5	40.5	41.5	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2
7	40.8	41.8	42.0	42.4	42.4	42.4	42.4	42.4	42.4	42.4
8	41.8	42.9	43.2	43.6	43.6	43.6	43.6	43.6	43.6	43.6
9	44.9	46.1	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7
3	49.4	50.8	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5
9	55.1	56.7	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3
7	58.9	60.4	60.7	61.1	61.1	61.1	61.1	61.1	61.1	61.1
4	64.9	66.8	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5
2	65.7	67.9	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7
4	70.5	72.8	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6
7	71.8	74.3	74.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0
7	76.8	79.9	80.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2
0	81.6	85.3	86.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2
6	84.5	88.2	89.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3
0	85.0	88.7	89.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8
0	86.0	89.8	90.7	91.7	91.8	92.0	92.0	92.0	92.0	92.0
2	87.2	91.2	92.1	93.1	93.3	93.4	93.4	93.4	93.4	93.4
8	87.8	92.0	92.9	94.0	94.2	94.3	94.3	94.3	94.3	94.3
1	88.1	92.5	93.5	95.0	95.3	95.5	95.6	95.6	95.6	95.6
5	88.9	93.3	94.4	96.0	96.4	96.8	97.0	97.0	97.0	97.0
9	89.3	93.8	95.0	96.8	97.7	98.2	98.4	98.6	98.6	98.7
9	89.3	93.9	95.1	96.9	98.1	98.7	99.2	99.5	99.5	99.6
9	89.3	93.9	95.1	96.9	98.1	98.7	99.2	99.5	99.5	99.6
9	89.3	93.9	95.1	96.9	98.1	98.7	99.2	99.5	99.5	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE C
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE							
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	.5	24.3	25.5	27.2	27.8	28.1	28.7	29.4	29.4
GE 20000	.5	27.8	29.3	31.9	32.5	32.9	33.5	34.3	34.3
GE 18000	.5	27.9	29.4	32.0	32.6	33.1	33.7	34.4	34.4
GE 16000	.5	27.9	29.4	32.0	32.6	33.1	33.7	34.4	34.4
GE 14000	.5	27.9	29.4	32.0	32.6	33.1	33.7	34.4	34.4
GE 12000	.5	28.1	29.6	32.2	32.8	33.2	33.8	34.6	34.6
GE 10000	.5	30.7	32.3	34.9	35.8	36.3	36.9	37.6	37.6
GE 9000	.5	31.9	33.5	36.1	37.0	37.5	38.1	38.8	38.8
GE 8000	.5	34.4	36.3	38.8	39.9	40.4	41.0	41.7	41.7
GE 7000	.5	35.1	37.0	39.6	40.8	41.3	41.9	42.6	42.6
GE 6000	.5	35.2	37.2	39.8	41.0	41.4	42.0	42.8	42.8
GE 5000	.5	39.5	41.7	44.5	46.3	46.7	47.3	48.3	48.3
GE 4500	.6	43.2	45.5	48.6	50.4	50.8	51.9	52.8	53.0
GE 4000	.6	46.9	49.2	52.7	54.9	55.4	56.4	57.4	57.5
GE 3500	.6	50.8	53.1	57.1	59.3	59.8	60.8	61.8	61.9
GE 3000	.6	57.1	59.5	64.3	66.6	67.1	69.0	70.0	70.1
GE 2500	.6	59.0	61.6	66.5	69.0	69.5	71.5	73.0	73.6
GE 2000	.6	61.0	63.7	69.0	72.4	72.8	75.1	76.9	77.5
GE 1800	.6	61.0	64.0	69.7	73.0	73.4	75.7	77.5	78.1
GE 1500	.6	62.8	66.2	72.5	76.3	76.8	79.7	81.9	82.7
GE 1200	.6	65.3	68.7	75.6	79.4	79.8	82.7	85.3	86.0
GE 1000	.8	65.9	69.5	76.9	80.9	81.6	84.5	87.6	88.5
GE 900	.8	66.3	70.0	77.4	81.3	82.1	85.0	88.0	88.9
GE 800	.8	66.9	70.6	78.3	82.2	83.0	86.2	89.2	90.1
GE 700	.8	67.2	70.9	78.8	82.7	83.5	86.6	89.8	90.9
GE 600	.8	67.4	71.6	79.8	84.1	85.0	88.2	91.4	92.4
GE 500	.8	67.8	72.1	80.3	84.5	85.4	88.6	91.8	92.9
GE 400	.8	68.0	72.4	80.7	85.0	85.9	89.1	92.3	93.3
GE 300	.8	68.0	72.4	81.0	85.4	86.3	89.5	92.7	93.9
GE 200	.8	68.0	72.4	81.0	85.4	86.3	89.5	92.7	93.9
GE 100	.8	68.0	72.4	81.0	85.4	86.3	89.5	92.7	93.9
GE 0	.8	68.0	72.4	81.0	85.4	86.3	89.5	92.7	93.9

TOTAL NUMBER OF OBSERVATIONS: 659

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): 1800-2000

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
	28.7	29.4	29.4	30.2	30.3	30.5	30.5	30.5	30.5	30.5
	33.5	34.3	34.3	35.1	35.2	35.4	35.5	35.5	35.5	35.5
	33.7	34.4	34.4	35.2	35.4	35.5	35.7	35.7	35.7	35.7
	33.7	34.4	34.4	35.2	35.4	35.5	35.7	35.7	35.7	35.7
	33.7	34.4	34.4	35.2	35.4	35.5	35.7	35.7	35.7	35.7
	33.8	34.6	34.6	35.4	35.5	35.7	35.8	35.8	35.8	35.8
	36.9	37.6	37.6	38.4	38.5	38.7	38.8	38.8	38.8	38.8
	38.1	38.8	38.8	39.6	39.8	39.9	40.1	40.1	40.1	40.1
	41.0	41.7	41.7	42.5	42.6	42.8	42.9	42.9	42.9	42.9
	41.9	42.6	42.6	43.4	43.6	43.7	43.9	43.9	43.9	43.9
	42.0	42.8	42.8	43.6	43.7	43.9	44.0	44.0	44.0	44.0
	47.3	48.3	48.3	49.0	49.2	49.3	49.5	49.5	49.5	49.5
	51.9	52.8	53.0	53.7	53.9	54.0	54.2	54.2	54.2	54.2
	56.4	57.4	57.5	58.4	58.6	58.7	58.9	58.9	58.9	58.9
	60.8	61.8	61.9	62.8	63.0	63.1	63.3	63.3	63.3	63.3
	69.0	70.0	70.1	71.0	71.2	71.3	71.5	71.5	71.5	71.5
	71.5	73.0	73.6	74.5	74.7	74.8	75.0	75.0	75.0	75.0
	75.1	76.9	77.5	78.8	78.9	79.1	79.2	79.2	79.2	79.2
	75.7	77.5	78.1	79.4	79.5	79.7	79.8	79.8	79.8	79.8
	79.7	81.9	82.7	84.2	84.4	84.5	84.7	84.7	84.7	84.7
	82.7	85.3	86.0	87.9	88.0	88.2	88.3	88.3	88.3	88.3
	84.5	87.6	88.5	90.6	90.7	90.9	91.0	91.0	91.0	91.0
	85.0	88.0	88.9	91.0	91.2	91.4	91.5	91.5	91.5	91.5
	86.2	89.2	90.1	92.7	92.9	93.0	93.2	93.2	93.2	93.2
	86.6	89.8	90.9	93.5	93.6	93.8	93.9	93.9	93.9	93.9
	88.2	91.4	92.4	95.3	95.4	95.6	95.8	95.8	95.8	95.8
	88.6	91.8	92.9	95.9	96.1	96.2	96.4	96.4	96.4	96.4
	89.1	92.3	93.3	96.4	96.5	96.7	96.8	96.8	96.8	96.8
	89.5	92.7	93.9	97.4	97.6	97.7	98.0	98.0	98.0	98.0
	89.5	92.7	93.9	97.7	98.2	98.3	98.8	98.9	98.9	99.8
	89.5	92.7	93.9	97.7	98.2	98.3	98.9	99.1	99.1	100.0
	89.5	92.7	93.9	97.7	98.2	98.3	98.9	99.1	99.1	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	VISIBILITY IN HUN
NO CEIL		27.6	27.9	31.0	32.4	33.0	34.8	34.9	3
GE 20000		29.3	29.8	33.4	34.8	35.4	37.2	37.3	3
GE 18000		29.5	30.0	33.6	34.9	35.6	37.3	37.5	3
GE 16000		29.5	30.0	33.6	34.9	35.6	37.3	37.5	3
GE 14000		29.5	30.0	33.6	34.9	35.6	37.3	37.5	3
GE 12000		29.6	30.1	33.7	35.1	35.8	37.5	37.7	3
GE 10000		31.0	31.5	35.1	36.5	37.3	39.0	39.2	3
GE 9000		31.7	32.2	35.8	37.2	38.0	39.7	39.9	3
GE 8000		33.4	33.9	38.0	39.4	40.2	42.0	42.1	4
GE 7000		34.1	34.6	39.0	40.4	41.8	43.7	43.8	4
GE 6000		34.8	35.3	39.7	41.1	42.5	44.3	44.5	4
GE 5000		38.7	39.2	44.0	45.7	47.1	49.0	49.8	4
GE 4500		41.8	42.3	47.3	49.0	50.3	52.2	53.1	5
GE 4000		45.2	45.7	50.7	52.6	53.9	55.8	56.8	5
GE 3500		47.3	47.9	53.1	55.0	56.3	58.2	59.2	5
GE 3000		54.6	55.3	61.0	62.8	64.2	66.4	68.0	6
GE 2500		56.0	56.7	62.5	64.4	65.8	68.0	69.5	6
GE 2000		59.8	60.4	66.4	69.0	70.4	72.8	74.5	7
GE 1800		60.1	60.8	67.3	69.9	71.2	73.6	75.3	7
GE 1500		62.2	63.0	70.4	72.9	74.3	77.2	79.1	7
GE 1200		65.4	66.4	74.8	77.7	79.1	82.5	84.6	8
GE 1000		66.3	67.5	76.2	79.3	80.7	84.2	87.0	8
GE 900		66.4	67.6	76.5	79.6	81.0	84.6	87.3	8
GE 800		67.5	68.7	78.1	81.3	82.9	86.5	89.2	8
GE 700		67.5	68.7	78.1	81.3	82.9	86.5	89.2	9
GE 600		68.3	69.5	79.3	82.7	84.8	88.4	91.4	9
GE 500		68.8	70.0	80.0	83.4	85.4	89.0	92.3	9
GE 400		69.2	70.4	80.5	84.1	86.1	89.7	93.2	9
GE 300		69.2	70.4	80.5	84.1	86.1	89.7	93.2	9
GE 200		69.2	70.4	80.5	84.1	86.1	89.7	93.2	9
CE 100		69.2	70.4	80.5	84.1	86.1	89.7	93.2	9
GE 0		69.2	70.4	80.5	84.1	86.1	89.7	93.2	9

TOTAL NUMBER OF OBSERVATIONS: 584

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 80-87
MONTH: FEB HOURS(LST): 2100-2300

OF G	VISIBILITY IN HUNDREDS OF METERS GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
C	34.8	34.9	34.9	35.6	35.6	35.8	36.0	36.0	36.0	36.0
35										
	37.2	37.3	37.3	38.2	38.2	38.4	38.5	38.7	38.7	38.7
38	37.3	37.5	37.5	38.4	38.4	38.5	38.7	38.9	38.9	38.9
38	37.3	37.5	37.5	38.4	38.4	38.5	38.7	38.9	38.9	38.9
38	37.3	37.5	37.5	38.4	38.4	38.5	38.7	38.9	38.9	38.9
38	37.5	37.7	37.7	38.5	38.5	38.7	38.9	39.0	39.0	39.2
38.										
	39.0	39.2	39.2	40.1	40.1	40.2	40.4	40.6	40.6	40.8
40	39.7	39.9	39.9	40.8	40.8	40.9	41.1	41.3	41.3	41.4
40	42.0	42.1	42.1	43.0	43.0	43.2	43.3	43.5	43.5	43.7
43	43.7	43.8	43.8	44.7	44.7	44.9	45.0	45.2	45.2	45.4
44	44.3	44.5	44.5	45.4	45.4	45.5	45.7	45.9	45.9	46.1
45										
	49.0	49.8	49.8	50.7	50.7	51.0	51.2	51.4	51.4	51.5
50	52.2	53.1	53.1	53.9	53.9	54.3	54.5	54.6	54.6	54.8
53	55.8	56.8	56.8	57.7	57.7	58.0	58.2	58.4	58.4	58.6
57	58.2	59.2	59.2	60.1	60.1	60.4	60.6	60.8	60.8	61.0
60	66.4	68.0	68.0	68.8	68.8	69.2	69.3	69.5	69.5	69.7
68.										
	68.0	69.5	69.5	70.4	70.4	70.7	70.9	71.1	71.1	71.2
70.	72.8	74.5	74.5	75.7	75.7	76.0	76.2	76.4	76.4	76.5
75.	73.6	75.3	75.3	76.7	76.7	77.1	77.2	77.4	77.4	77.6
76.	77.2	79.1	79.1	80.5	80.5	80.8	81.0	81.2	81.2	81.3
80.	82.5	84.6	84.6	86.3	86.3	86.6	86.8	87.0	87.0	87.2
86.										
	84.2	87.0	87.3	89.0	89.0	89.4	89.6	89.7	89.7	89.9
89.	84.6	87.3	87.7	89.4	89.4	89.7	89.9	90.1	90.1	90.2
89.	86.5	89.2	89.7	91.4	91.4	91.8	92.0	92.1	92.1	92.3
91.	86.5	89.2	90.1	91.8	91.8	92.1	92.3	92.5	92.5	92.6
91.	88.4	91.4	92.3	94.2	94.2	94.5	94.9	95.0	95.0	95.2
94.										
	89.0	92.3	93.2	95.4	95.4	95.7	96.1	96.2	96.2	96.4
95.	89.7	93.2	94.0	96.6	96.6	96.9	97.3	97.4	97.4	97.6
96.	89.7	93.2	94.0	96.6	96.7	97.1	97.4	97.6	97.6	97.8
96.	89.7	93.2	94.0	96.7	96.9	97.6	98.1	98.3	98.3	99.1
96.	89.7	93.2	94.0	96.7	96.9	97.6	98.1	98.3	98.3	99.8
96.										
96.	89.7	93.2	94.0	96.7	96.9	97.6	98.1	98.3	98.3	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRE
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN MI GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
NO CEIL	.7	19.4	20.1	22.4	23.9	24.2	25.1	25.7
GE 20000	.9	22.2	23.2	26.3	28.0	28.4	29.6	30.3
GE 18000	1.0	22.3	23.4	26.5	28.2	28.5	29.8	30.5
GE 16000	1.0	22.3	23.4	26.5	28.2	28.6	29.8	30.5
GE 14000	1.0	22.5	23.6	26.7	28.4	28.8	30.0	30.7
GE 12000	1.1	23.0	24.0	27.3	29.0	29.4	30.6	31.3
GE 10000	1.2	24.7	25.9	29.2	31.0	31.5	32.7	33.5
GE 9000	1.2	25.4	26.6	30.0	31.8	32.3	33.6	34.3
GE 8000	1.2	27.1	28.3	32.0	33.8	34.3	35.6	36.4
GE 7000	1.3	27.7	29.0	32.7	34.7	35.2	36.6	37.4
GE 6000	1.3	28.3	29.6	33.5	35.4	36.0	37.4	38.2
GE 5000	1.4	31.1	32.6	36.8	39.0	39.6	41.1	42.1
GE 4500	1.4	33.9	35.5	39.9	42.3	42.9	44.5	45.6
GE 4000	1.6	36.9	38.6	43.4	45.8	46.5	48.2	49.5
GE 3500	1.6	39.9	41.7	46.7	49.3	49.9	51.6	53.0
GE 3000	1.8	43.6	45.6	51.3	54.0	54.7	56.7	58.2
GE 2500	2.0	45.2	47.4	53.4	56.2	56.9	59.0	60.6
GE 2000	2.1	48.5	50.8	57.7	61.1	61.9	64.3	66.1
GE 1800	2.2	49.2	51.6	58.7	62.2	63.0	65.5	67.3
GE 1500	2.2	51.1	53.7	62.0	65.9	66.8	69.6	71.7
GE 1200	2.2	53.1	56.1	65.4	69.6	70.5	73.9	76.3
GE 1000	2.3	54.3	57.5	67.5	72.0	73.1	76.7	79.3
GE 900	2.3	54.7	58.0	68.1	72.7	73.9	77.7	80.4
GE 800	2.3	55.4	58.8	69.2	73.9	75.1	79.2	82.0
GE 700	2.4	56.1	59.6	70.1	75.0	76.2	80.4	83.5
GE 600	2.4	56.6	60.2	70.9	76.0	77.4	81.8	85.4
GE 500	2.4	56.9	60.5	71.5	76.7	78.0	82.5	86.5
GE 400	2.4	57.0	60.7	72.0	77.3	78.7	83.4	87.6
GE 300	2.4	57.0	60.7	72.2	77.6	79.1	83.7	88.2
GE 200	2.4	57.0	60.7	72.2	77.7	79.1	83.8	88.5
GE 100	2.4	57.0	60.7	72.2	77.7	79.1	83.8	88.5
GE 0	2.4	57.0	60.7	72.2	77.7	79.1	83.8	88.5

TOTAL NUMBER OF OBSERVATIONS: 5790

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: FEB HOURS(LST): ALL

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS									
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
	.2	25.1	25.7	25.9	26.4	26.5	26.6	26.8	26.9	27.0	27.3
	.4	29.6	30.3	30.6	31.1	31.2	31.3	31.5	31.6	31.8	32.1
	.5	29.8	30.5	30.8	31.4	31.5	31.6	31.7	31.9	32.0	32.4
	.6	29.8	30.5	30.9	31.4	31.5	31.6	31.7	31.9	32.1	32.4
	.8	30.0	30.7	31.1	31.6	31.7	31.8	32.0	32.1	32.3	32.6
	.4	30.6	31.3	31.7	32.2	32.3	32.4	32.6	32.7	32.9	33.2
	.5	32.7	33.5	33.9	34.4	34.5	34.6	34.8	34.9	35.1	35.4
	.3	33.6	34.3	34.8	35.3	35.4	35.5	35.7	35.8	36.0	36.3
	.3	35.6	36.4	36.9	37.4	37.5	37.6	37.8	37.9	38.1	38.4
	.2	36.6	37.4	37.8	38.4	38.5	38.6	38.8	38.9	39.1	39.4
	.0	37.4	38.2	38.6	39.2	39.3	39.4	39.6	39.7	39.9	40.2
	.6	41.1	42.1	42.6	43.2	43.4	43.5	43.7	43.8	44.0	44.4
	.9	44.5	45.6	46.2	46.9	47.0	47.1	47.3	47.4	47.6	48.0
	.5	48.2	49.5	50.1	50.8	51.0	51.1	51.3	51.4	51.6	52.0
	.9	51.6	53.0	53.6	54.4	54.6	54.7	54.9	55.1	55.2	55.6
	.7	56.7	58.2	58.9	59.8	60.0	60.1	60.3	60.4	60.6	61.0
	.9	59.0	60.6	61.4	62.3	62.5	62.6	62.8	62.9	63.1	63.5
	.9	64.3	66.1	66.9	67.9	68.1	68.2	68.4	68.5	68.7	69.1
	.0	65.5	67.3	68.1	69.1	69.3	69.5	69.6	69.8	69.9	70.3
	.8	69.6	71.7	72.6	73.7	73.9	74.0	74.2	74.4	74.5	74.9
	.5	73.9	76.3	77.3	78.6	78.8	79.0	79.2	79.3	79.5	79.9
	.1	76.7	79.3	80.6	82.0	82.2	82.3	82.5	82.7	82.8	83.2
	.9	77.7	80.4	81.6	83.1	83.3	83.5	83.6	83.8	84.0	84.4
	.1	79.2	82.0	83.4	84.9	85.1	85.3	85.5	85.7	85.9	86.3
	.2	80.4	83.5	85.0	86.6	86.8	87.0	87.2	87.4	87.6	88.0
	.4	81.8	85.4	86.9	88.7	89.0	89.3	89.5	89.7	89.9	90.3
	.0	82.5	86.5	88.1	90.2	90.6	90.8	91.1	91.4	91.6	92.0
	.7	83.4	87.6	89.4	91.8	92.2	92.6	92.9	93.3	93.5	93.9
	.1	83.7	88.2	90.2	93.0	93.7	94.1	94.5	95.0	95.2	95.9
	.1	83.8	88.5	90.6	93.5	94.5	95.1	95.6	96.2	96.6	97.8
	.1	83.8	88.5	90.7	93.6	94.6	95.1	95.8	96.6	96.9	99.0
	.1	83.8	88.5	90.7	93.6	94.6	95.2	95.8	96.8	97.3	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND							
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	1.3	28.4	29.1	31.8	34.6	34.7	36.3	37.2	37
GE 20000	1.6	30.4	31.2	34.3	37.7	38.1	39.9	41.2	41
GE 18000	1.6	30.4	31.2	34.3	37.7	38.1	39.9	41.2	41
GE 16000	1.6	30.4	31.2	34.3	37.7	38.1	39.9	41.2	41
GE 14000	1.6	30.5	31.3	34.4	37.8	38.2	40.1	41.4	41
GE 12000	1.6	30.8	31.8	34.9	38.4	38.7	40.6	41.9	42
GE 10000	1.7	32.9	33.9	37.0	40.4	41.1	43.2	44.5	44
GE 9000	1.7	33.0	34.0	37.2	40.6	41.2	43.3	44.6	44
GE 8000	1.7	35.5	36.5	39.7	43.1	43.7	45.8	47.1	47
GE 7000	1.7	36.3	37.3	40.4	44.0	44.6	46.9	48.3	48
GE 6000	1.7	37.3	38.4	41.5	45.0	45.7	48.0	49.6	49
GE 5000	2.2	41.8	43.1	46.5	50.1	50.8	53.4	55.0	55
GE 4500	2.5	43.5	44.8	48.3	52.0	52.6	55.2	56.9	57
GE 4000	2.9	47.3	49.0	52.7	57.2	57.9	60.6	62.3	62
GE 3500	2.9	51.2	53.0	57.2	61.8	62.4	65.2	66.9	67
GE 3000	3.0	54.2	56.0	60.2	64.8	65.4	68.5	70.3	70
GE 2500	3.0	54.8	56.7	60.9	65.4	66.1	69.1	70.9	71
GE 2000	3.7	58.2	60.1	64.4	69.4	70.0	73.0	74.9	75
GE 1800	3.7	58.6	60.9	65.6	70.5	71.2	74.3	76.2	76
GE 1500	3.9	61.3	63.5	68.5	73.6	74.2	77.4	79.2	79
GE 1200	4.7	64.4	66.6	72.0	77.2	77.9	81.2	83.2	83
GE 1000	4.7	65.6	68.1	73.8	79.5	80.2	83.6	86.0	86
GE 900	4.7	66.6	69.2	75.4	81.0	81.8	85.2	87.7	88
GE 800	4.7	67.5	70.4	76.6	82.3	83.1	86.6	89.1	89
GE 700	4.7	68.6	71.6	78.3	84.3	85.2	89.0	91.5	91
GE 600	4.7	68.8	71.9	78.7	84.8	85.7	89.5	92.3	92
GE 500	4.7	68.8	71.9	78.8	85.2	86.1	90.3	93.1	93
GE 400	4.7	69.1	72.3	79.8	86.5	87.7	92.0	94.8	95
GE 300	4.7	69.1	72.3	79.8	86.5	87.7	92.5	95.4	96
GE 200	4.7	69.1	72.3	79.8	86.5	87.7	92.5	95.4	96
GE 100	4.7	69.1	72.3	79.8	86.5	87.7	92.5	95.4	96
GE 0	4.7	69.1	72.3	79.8	86.5	87.7	92.5	95.4	96

TOTAL NUMBER OF OBSERVATIONS: 764

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

IRFORD UK

PERIOD OF RECORD: 75-76,81-87
MONTH: MAR HOURS(LST): 0000-0200

VISIBILITY IN HUNDREDS OF METERS

GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
34.7	36.3	37.2	37.2	37.4	37.4	37.4	37.4	37.7	38.1	38.7
38.1	39.9	41.2	41.4	41.6	41.6	41.6	41.6	41.9	42.3	42.9
38.1	39.9	41.2	41.4	41.6	41.6	41.6	41.6	41.9	42.3	42.9
38.1	39.9	41.2	41.4	41.6	41.6	41.6	41.6	41.9	42.3	42.9
38.2	40.1	41.4	41.5	41.8	41.8	41.8	41.8	42.0	42.4	43.1
38.7	40.6	41.9	42.0	42.3	42.3	42.3	42.3	42.5	42.9	43.6
41.1	43.2	44.5	44.6	44.9	44.9	44.9	44.9	45.2	45.5	46.2
41.2	43.3	44.6	44.8	45.0	45.0	45.0	45.0	45.3	45.7	46.3
43.7	45.8	47.1	47.4	47.6	47.6	47.6	47.6	47.9	48.3	49.0
44.6	46.9	48.3	48.6	48.8	48.8	48.8	48.8	49.1	49.5	50.1
45.7	48.0	49.6	49.9	50.1	50.1	50.1	50.1	50.4	50.8	51.4
50.8	53.4	55.0	55.2	55.8	55.8	55.8	55.8	56.0	56.4	57.1
52.6	55.2	56.9	57.2	57.7	57.7	57.7	57.7	58.0	58.4	59.0
57.9	60.6	62.3	62.6	63.1	63.1	63.1	63.1	63.4	63.7	64.4
62.4	65.2	66.9	67.1	67.7	67.7	67.7	67.7	67.9	68.3	69.0
65.4	68.5	70.3	70.5	71.2	71.2	71.2	71.2	71.5	71.9	72.5
66.1	69.1	70.9	71.2	71.9	71.9	71.9	71.9	72.1	72.5	73.2
70.0	73.0	74.9	75.1	75.8	75.8	75.8	75.9	76.2	76.6	77.2
71.2	74.3	76.2	76.4	77.1	77.1	77.1	77.2	77.5	77.9	78.5
74.2	77.4	79.2	79.5	80.1	80.1	80.1	80.2	80.5	80.9	81.5
77.9	81.2	83.2	83.5	84.2	84.2	84.2	84.3	84.6	84.9	85.6
80.2	83.6	86.0	86.3	86.9	86.9	86.9	87.0	87.3	87.7	88.4
81.8	85.2	87.7	88.0	88.6	88.6	88.6	88.7	89.0	89.4	90.1
83.1	86.6	89.1	89.4	90.1	90.1	90.1	90.2	90.4	90.8	91.5
85.2	89.0	91.5	91.8	92.4	92.4	92.4	92.5	92.8	93.2	93.8
85.7	89.5	92.3	92.5	93.2	93.2	93.2	93.3	93.6	94.0	94.6
86.1	90.3	93.1	93.3	94.0	94.0	94.0	94.1	94.4	94.8	95.4
87.7	92.0	94.8	95.8	96.9	96.9	96.9	97.0	97.3	97.6	98.3
87.7	92.5	95.4	96.5	97.6	97.6	97.6	97.8	98.0	98.4	99.1
87.7	92.5	95.4	96.7	97.9	97.9	97.9	98.0	98.3	98.7	99.3
87.7	92.5	95.4	96.7	97.9	97.9	97.9	98.0	98.6	99.0	99.9
87.7	92.5	95.4	96.7	97.9	97.9	97.9	98.0	98.6	99.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	2.0	22.8	23.0	25.8	27.0	27.0	28.0	28.9	29.
GE 20000	2.1	24.3	24.6	27.9	29.3	29.7	31.4	33.2	33.
GE 18000	2.1	24.3	24.6	27.9	29.3	29.7	31.4	33.2	33.
GE 16000	2.1	24.3	24.6	27.9	29.3	29.7	31.4	33.2	33.
GE 14000	2.1	24.3	24.6	27.9	29.3	29.7	31.4	33.2	33.
GE 12000	2.1	24.7	25.3	28.5	30.0	30.4	32.1	34.0	34.
GE 10000	2.1	25.7	26.3	29.7	31.2	31.5	33.2	35.2	35.
GE 9000	2.1	25.7	26.3	29.7	31.2	31.5	33.2	35.2	35.
GE 8000	2.1	26.4	27.1	30.5	31.9	32.3	34.0	36.0	36.
GE 7000	2.1	26.7	27.5	31.0	32.5	32.9	34.6	36.5	37.
GE 6000	2.2	28.0	28.9	32.5	33.9	34.3	36.0	38.2	39.
GE 5000	2.6	32.1	33.2	36.9	38.6	39.0	40.7	42.9	43.
GE 4500	2.7	34.4	35.6	39.5	41.4	41.8	43.5	45.8	46.
GE 4000	3.0	38.6	39.9	44.2	46.5	46.9	48.6	51.0	52.
GE 3500	3.4	43.1	44.4	48.8	51.3	51.7	53.4	55.9	56.
GE 3000	3.7	47.9	49.2	53.7	56.5	56.9	58.6	61.3	62.
GE 2500	3.8	50.4	51.7	56.3	59.2	59.6	61.5	64.1	65.
GE 2000	4.2	53.8	55.1	59.9	63.1	63.6	65.6	68.2	69.
GE 1800	4.3	54.6	55.9	60.7	63.9	64.4	66.4	69.0	69.
GE 1500	4.5	56.3	57.6	62.4	65.8	66.4	68.7	71.6	72.
GE 1200	4.6	58.8	60.1	65.3	69.1	69.8	72.4	75.4	76.
GE 1000	4.7	60.5	61.8	67.1	71.1	72.1	74.7	78.3	79.
GE 900	4.7	62.0	63.4	68.8	72.9	74.0	76.6	80.4	81.
GE 800	4.7	63.2	64.8	70.7	75.3	76.3	78.9	82.9	83.
GE 700	4.7	64.1	65.7	72.1	77.1	78.1	81.2	85.3	86.
GE 600	4.7	64.4	66.0	72.6	77.9	78.9	81.9	86.3	87.
GE 500	4.7	64.5	66.1	72.9	78.3	79.3	82.7	87.3	88.
GE 400	4.7	64.7	66.4	73.6	79.2	80.2	83.8	88.6	90.
GE 300	4.7	64.7	66.4	73.6	79.5	80.9	84.4	89.4	91.
GE 200	4.7	64.7	66.4	73.6	79.5	80.9	84.4	89.4	92.
GE 100	4.7	64.7	66.4	73.6	79.5	80.9	84.4	89.5	92.
GE 0	4.7	64.7	66.4	73.6	79.5	80.9	84.4	89.5	92.

TOTAL NUMBER OF OBSERVATIONS: 764

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIRFORD UK

PERIOD OF RECORD: 75-76,81-87
MONTH: MAR HOURS(LST): 0300-0500

CEILING	VISIBILITY IN HUNDREDS OF METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
GE 20000	27.0	28.0	28.9	29.5	29.7	29.7	30.2	30.4	30.9	31.2	32.6
GE 15000	29.7	31.4	33.2	33.9	34.2	34.2	34.7	34.8	35.3	35.6	37.2
GE 10000	29.7	31.4	33.2	33.9	34.2	34.2	34.7	34.8	35.3	35.6	37.2
GE 7000	29.7	31.4	33.2	33.9	34.2	34.2	34.7	34.8	35.3	35.6	37.2
GE 5000	29.7	31.4	33.2	33.9	34.2	34.2	34.7	34.8	35.3	35.6	37.2
GE 3000	30.4	32.1	34.0	34.7	34.9	34.9	35.5	35.6	36.1	36.4	38.0
GE 2000	31.5	33.2	35.2	35.9	36.1	36.1	36.6	36.8	37.3	37.6	39.1
GE 1500	31.5	33.2	35.2	35.9	36.1	36.1	36.6	36.8	37.3	37.6	39.1
GE 1000	32.3	34.0	36.0	36.6	36.9	36.9	37.4	37.6	38.1	38.4	39.9
GE 700	32.9	34.6	36.5	37.2	37.4	37.4	38.0	38.1	38.6	38.9	40.4
GE 500	34.3	36.0	38.2	39.0	39.3	39.3	39.8	39.9	40.4	40.7	42.3
GE 300	39.0	40.7	42.9	43.7	44.0	44.0	44.5	44.6	45.2	45.4	47.1
GE 200	41.8	43.5	45.8	46.6	46.9	46.9	47.4	47.5	48.0	48.3	50.0
GE 150	46.9	48.6	51.0	52.0	52.2	52.2	52.7	52.9	53.4	53.7	55.4
GE 100	51.7	53.4	55.9	56.8	57.1	57.1	57.6	57.7	58.2	58.5	60.2
GE 70	56.9	58.6	61.3	62.2	62.6	62.6	63.1	63.2	63.7	64.0	65.7
GE 50	59.6	61.5	64.1	65.1	65.6	65.6	66.1	66.2	66.8	67.0	68.7
GE 30	63.6	65.6	68.2	69.1	69.8	69.8	70.3	70.4	70.9	71.2	72.9
GE 20	64.4	66.4	69.0	69.9	70.5	70.5	71.1	71.2	71.7	72.0	73.7
GE 15	66.4	68.7	71.6	72.5	73.2	73.2	73.7	73.8	74.3	74.6	76.3
GE 10	69.8	72.4	75.4	76.3	77.0	77.1	77.6	77.7	78.3	78.5	80.2
GE 7	72.1	74.7	78.3	79.2	80.0	80.1	80.6	80.8	81.3	81.5	83.2
GE 5	74.0	76.6	80.4	81.3	82.1	82.2	82.7	82.9	83.4	83.6	85.3
GE 3	76.3	78.9	82.9	83.8	84.6	84.7	85.2	85.3	85.9	86.1	87.8
GE 2	78.1	81.2	85.3	86.4	87.2	87.3	87.8	88.0	88.5	88.7	90.4
GE 1	78.9	81.9	86.3	87.4	88.2	88.4	88.9	89.0	89.5	89.8	91.5
GE 0	79.3	82.7	87.3	88.9	89.7	89.8	90.3	90.4	91.0	91.2	92.9
	80.2	83.8	88.6	90.8	91.9	92.0	92.5	92.7	93.3	93.6	95.3
	80.9	84.4	89.4	91.9	93.1	93.2	93.7	93.8	94.5	94.8	96.7
	80.9	84.4	89.4	92.0	93.3	93.6	94.2	94.5	95.5	95.9	97.9
	80.9	84.4	89.5	92.3	93.6	93.8	94.5	94.8	95.9	96.7	99.6
	80.9	84.4	89.5	92.3	93.6	93.8	94.5	94.8	95.9	96.7	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	.7	15.3	15.9	17.2	18.3	18.8	18.9	19.4	20.
GE 20000	1.1	18.8	19.6	21.4	22.8	23.5	24.3	25.1	26.
GE 18000	1.2	18.9	19.7	21.5	22.9	23.7	24.4	25.2	26.
GE 16000	1.2	18.9	19.7	21.5	22.9	23.7	24.4	25.2	26.
GE 14000	1.2	19.2	20.1	22.0	23.4	24.1	24.9	25.7	26.
GE 12000	1.3	20.0	20.9	22.9	24.4	25.1	25.9	26.8	27.
GE 10000	1.4	21.6	22.9	25.1	26.6	27.4	28.2	29.0	30.
GE 9000	1.4	22.1	23.5	25.8	27.4	28.1	29.3	30.1	31.
GE 8000	1.4	23.7	25.3	27.8	29.4	30.5	31.7	32.5	33.
GE 7000	1.4	24.0	25.8	28.4	30.2	31.4	32.6	33.5	34.
GE 6000	1.6	24.4	26.4	29.4	31.2	32.4	33.7	34.8	35.
GE 5000	1.8	26.9	29.2	32.4	34.4	35.6	36.9	38.1	39.
GE 4500	1.9	28.2	30.6	34.1	36.2	37.4	38.7	39.9	41.
GE 4000	2.3	32.1	34.8	38.2	40.9	42.2	43.5	44.8	46.
GE 3500	2.5	36.0	39.1	43.1	45.8	47.1	48.4	49.8	51.
GE 3000	3.0	40.3	43.5	47.8	50.9	52.2	53.8	55.6	56.
GE 2500	3.3	42.1	45.4	49.8	53.0	54.4	55.9	58.1	59.
GE 2000	3.8	46.4	50.2	55.1	58.3	59.6	61.3	63.4	64.
GE 1800	3.9	46.6	50.4	55.6	58.8	60.1	61.8	63.9	65.
GE 1500	3.9	47.9	52.1	57.7	61.5	62.8	64.5	66.8	68.
GE 1200	4.1	50.5	55.0	61.2	65.2	66.5	68.6	70.8	72.
GE 1000	4.2	52.0	56.5	63.1	67.3	68.8	70.8	73.6	75.
GE 900	4.3	52.4	57.1	63.8	68.0	69.5	71.7	74.7	76.
GE 800	4.3	52.9	57.7	64.9	69.2	70.8	73.4	76.6	78.
GE 700	4.3	53.5	58.7	65.9	70.4	72.4	75.0	78.9	81.
GE 600	4.3	54.4	59.6	67.4	72.0	74.1	76.8	80.9	83.
GE 500	4.3	54.8	60.3	68.2	73.2	75.5	78.3	82.7	85.
GE 400	4.3	55.0	60.6	68.8	74.0	76.2	79.1	83.5	86.
GE 300	4.3	55.0	60.6	68.8	74.0	76.2	79.3	84.0	87.
GE 200	4.3	55.0	60.6	68.8	74.0	76.2	79.3	84.0	87.
GE 100	4.3	55.0	60.6	68.8	74.0	76.2	79.3	84.0	87.
GE 0	4.3	55.0	60.6	68.8	74.1	76.3	79.5	84.1	87.

TOTAL NUMBER OF OBSERVATIONS: 837

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

IRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAR HOURS(LST): 0600-0800

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
	18.8	18.9	19.4	20.3	21.6	22.0	22.5	22.6	22.8	23.3	25.0
	23.5	24.3	25.1	26.2	27.8	28.2	28.7	28.8	29.0	29.5	31.3
	23.7	24.4	25.2	26.3	28.0	28.3	28.8	28.9	29.2	29.6	31.4
	23.7	24.4	25.2	26.3	28.0	28.3	28.8	28.9	29.2	29.6	31.4
	24.1	24.9	25.7	26.8	28.4	28.8	29.3	29.4	29.6	30.1	31.9
	25.1	25.9	26.8	27.8	29.5	30.0	30.5	30.6	30.8	31.3	33.1
	27.4	28.2	29.0	30.1	31.8	32.3	32.7	32.9	33.1	33.6	35.4
	28.1	29.3	30.1	31.2	32.9	33.3	33.8	33.9	34.2	34.6	36.4
	30.5	31.7	32.5	33.6	35.4	35.8	36.3	36.4	36.7	37.2	38.9
	31.4	32.6	33.5	34.5	36.3	36.8	37.3	37.4	37.6	38.1	39.9
	32.4	33.7	34.8	35.8	37.6	38.1	38.6	38.7	38.9	39.4	41.2
	35.6	36.9	38.1	39.4	41.2	41.7	42.2	42.3	42.5	43.0	44.8
	37.4	38.7	39.9	41.2	43.1	43.8	44.3	44.4	44.7	45.2	47.0
	42.2	43.5	44.8	46.1	48.0	48.7	49.2	49.3	49.6	50.1	51.9
	47.1	48.4	49.8	51.1	53.0	53.8	54.5	54.6	54.8	55.3	57.1
	52.2	53.8	55.6	56.9	58.8	59.6	60.3	60.5	60.7	61.2	63.0
	54.4	55.9	58.1	59.4	61.3	62.1	62.8	63.0	63.2	63.7	65.5
	59.6	61.3	63.4	64.9	66.8	67.6	68.3	68.5	68.7	69.2	71.0
	60.1	61.8	63.9	65.4	67.3	68.1	68.8	68.9	69.2	69.7	71.4
	62.8	64.5	66.8	68.3	70.3	71.1	71.8	72.0	72.3	72.8	74.6
	66.5	68.6	70.8	72.4	74.3	75.1	75.9	76.1	76.5	76.9	78.7
	68.8	70.8	73.6	75.4	77.4	78.4	79.1	79.3	79.7	80.2	82.0
	69.5	71.7	74.7	76.6	78.7	79.8	80.5	80.8	81.1	81.6	83.4
	70.8	73.4	76.6	78.5	80.8	81.8	82.6	82.8	83.2	83.6	85.4
	72.4	75.0	78.9	81.2	84.0	85.1	85.8	86.0	86.4	86.9	88.6
	74.1	76.8	80.9	83.6	86.5	87.8	88.5	88.8	89.1	89.6	91.4
	75.5	78.3	82.7	85.7	88.8	90.1	90.9	91.2	91.6	92.1	93.9
	76.2	79.1	83.5	86.7	90.1	91.4	92.6	93.0	93.5	94.0	95.8
	76.2	79.3	84.0	87.3	90.8	92.5	94.0	94.5	95.2	95.8	98.0
	76.2	79.3	84.0	87.5	90.9	92.6	94.1	94.7	95.5	96.3	98.7
	76.2	79.3	84.0	87.5	90.9	92.6	94.4	95.0	95.7	96.5	99.8
	76.3	79.5	84.1	87.6	91.0	92.8	94.6	95.2	95.9	96.8	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	.8	14.3	14.7	16.0	17.5	17.7	19.1	19.2	20.2
GE 20000	2.1	20.9	21.6	23.2	25.5	25.9	27.3	27.6	28.9
GE 18000	2.1	20.9	21.6	23.2	25.5	25.9	27.3	27.6	28.9
GE 16000	2.1	20.9	21.7	23.4	25.6	26.1	27.5	27.7	28.6
GE 14000	2.1	21.1	22.4	24.1	26.3	26.8	28.2	28.4	29.3
GE 12000	2.5	22.2	23.5	25.1	27.3	27.8	29.2	29.5	30.4
GE 10000	2.7	24.1	25.5	27.6	30.4	30.9	32.4	32.7	33.7
GE 9000	2.7	24.5	25.9	28.3	31.1	31.7	33.2	33.7	34.0
GE 8000	2.8	27.5	29.1	31.9	35.0	35.7	37.2	37.7	38.6
GE 7000	2.8	28.8	30.5	33.5	36.5	37.2	38.8	39.3	40.3
GE 6000	2.8	29.5	31.2	34.2	37.2	37.9	39.6	40.0	41.0
GE 5000	2.9	31.3	33.3	36.5	39.8	40.5	42.8	43.4	44.4
GE 4500	3.1	32.9	35.2	38.5	41.9	42.6	45.0	45.5	46.5
GE 4000	3.4	36.4	38.7	42.1	45.5	46.5	48.8	49.5	50.5
GE 3500	3.5	39.2	41.9	45.4	48.8	49.8	52.1	52.8	53.8
GE 3000	3.5	45.0	47.8	52.0	55.6	56.6	58.9	59.9	60.9
GE 2500	3.6	47.2	50.0	54.5	58.5	59.4	61.9	62.8	63.8
GE 2000	4.2	52.2	55.5	60.2	64.6	65.5	68.1	69.1	70.2
GE 1800	5.0	53.9	57.4	62.1	66.4	67.4	70.0	71.0	72.1
GE 1500	5.6	56.5	60.3	65.5	69.8	70.8	73.7	74.9	76.1
GE 1200	6.1	58.6	62.8	68.3	73.1	74.1	77.6	78.8	80.0
GE 1000	6.1	60.3	64.7	70.7	75.7	76.6	80.5	82.2	84.0
GE 900	6.1	60.9	65.3	71.4	76.4	77.8	81.9	83.8	85.9
GE 800	6.1	61.5	66.0	72.3	77.5	78.9	83.1	85.0	87.4
GE 700	6.1	62.1	67.3	73.8	79.5	80.9	85.1	87.1	89.7
GE 600	6.1	62.4	67.7	75.0	80.9	82.3	86.9	89.0	92.1
GE 500	6.1	62.4	67.7	75.0	81.1	82.5	87.4	89.8	93.0
GE 400	6.1	62.6	67.8	75.4	81.5	83.1	88.3	90.8	94.2
GE 300	6.1	62.6	67.8	75.4	81.5	83.1	88.5	91.3	94.8
GE 200	6.1	62.6	67.8	75.4	81.5	83.1	88.5	91.3	94.8
GE 100	6.1	62.6	67.8	75.4	81.5	83.1	88.5	91.3	94.8
GE 0	6.1	62.6	67.8	75.4	81.5	83.1	88.5	91.3	94.8

TOTAL NUMBER OF OBSERVATIONS: 852

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FAIRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAR HOURS(LST): 0900-1100

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
17.7	19.1	19.2	20.2	21.5	21.5	21.8	21.8	21.8	21.9	22.5
25.9	27.3	27.6	28.5	29.9	29.9	30.3	30.3	30.3	30.4	31.0
25.9	27.3	27.6	28.5	29.9	29.9	30.3	30.3	30.3	30.4	31.0
26.1	27.5	27.7	28.6	30.0	30.0	30.4	30.4	30.4	30.5	31.1
26.8	28.2	28.4	29.3	30.8	30.8	31.1	31.1	31.1	31.2	31.8
27.8	29.2	29.5	30.4	32.0	32.0	32.4	32.4	32.4	32.5	33.1
30.9	32.4	32.7	33.7	35.3	35.3	35.7	35.7	35.7	35.8	36.4
31.7	33.2	33.7	34.6	36.3	36.3	36.6	36.6	36.6	36.7	37.3
35.7	37.2	37.7	38.6	40.3	40.3	40.6	40.6	40.6	40.7	41.3
37.2	38.8	39.3	40.3	41.9	41.9	42.3	42.3	42.3	42.4	43.0
37.9	39.6	40.0	41.0	42.6	42.6	43.0	43.0	43.0	43.1	43.7
40.5	42.8	43.4	44.4	46.1	46.1	46.5	46.5	46.5	46.6	47.2
42.6	45.0	45.5	46.5	48.2	48.2	48.6	48.6	48.6	48.7	49.3
46.5	48.8	49.5	50.5	52.2	52.2	52.6	52.6	52.6	52.7	53.3
49.8	52.1	52.8	53.8	55.5	55.5	55.9	55.9	55.9	56.0	56.6
56.6	58.9	59.9	60.9	62.7	62.7	63.0	63.0	63.0	63.1	63.7
59.4	61.9	62.8	63.8	65.6	65.6	66.0	66.0	66.0	66.1	66.7
65.5	68.1	69.1	70.2	71.9	71.9	72.3	72.3	72.3	72.4	73.0
67.4	70.0	71.0	72.1	73.8	73.8	74.2	74.2	74.2	74.3	74.9
70.8	73.7	74.9	76.1	77.8	77.8	78.2	78.2	78.2	78.3	78.9
74.1	77.6	78.8	80.0	81.8	81.8	82.2	82.2	82.2	82.3	82.9
76.6	80.5	82.2	84.0	85.8	85.8	86.2	86.2	86.2	86.3	86.9
77.8	81.9	83.8	85.9	87.7	87.7	88.0	88.0	88.0	88.1	88.7
78.9	83.1	85.0	87.4	89.2	89.2	89.6	89.6	89.6	89.7	90.3
80.9	85.1	87.1	89.7	91.4	91.4	91.8	91.8	91.8	91.9	92.5
82.3	86.9	89.0	92.1	93.9	94.0	94.4	94.4	94.4	94.5	95.1
82.5	87.4	89.8	93.0	94.8	95.0	95.3	95.3	95.3	95.4	96.0
83.1	88.3	90.8	94.2	96.2	96.5	97.2	97.2	97.2	97.3	97.9
83.1	88.5	91.3	94.8	96.8	97.9	98.7	98.7	98.7	98.9	99.6
83.1	88.5	91.3	94.8	96.8	97.9	98.7	98.7	98.7	99.1	99.8
83.1	88.5	91.3	94.8	96.8	97.9	98.7	98.7	98.7	99.1	100.0
83.1	88.5	91.3	94.8	96.8	97.9	98.7	98.7	98.7	99.1	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	.9	16.2	16.8	18.4	19.6	19.7	20.1	20.3	20.3
GE 20000	1.7	23.7	24.7	26.4	27.9	28.0	28.3	28.6	28.6
GE 18000	1.7	23.7	24.7	26.4	27.9	28.0	28.3	28.6	28.6
GE 16000	1.7	23.7	24.7	26.4	27.9	28.0	28.3	28.6	28.6
GE 14000	1.7	24.0	24.9	26.7	28.1	28.2	28.6	28.8	28.8
GE 12000	1.8	24.9	25.9	27.6	29.0	29.2	29.5	29.8	29.8
GE 10000	2.0	26.9	27.9	29.6	31.2	31.3	31.8	32.0	32.0
GE 9000	2.1	28.2	29.2	30.9	32.5	32.6	33.1	33.3	33.3
GE 8000	2.1	30.2	31.2	33.1	34.6	34.7	35.2	35.4	35.4
GE 7000	2.1	31.8	32.7	34.9	36.5	36.6	37.1	37.3	37.3
GE 6000	2.2	32.2	33.2	35.4	37.0	37.1	37.8	38.0	38.0
GE 5000	3.0	36.1	37.2	39.4	41.2	41.6	42.3	42.5	42.5
GE 4500	3.1	38.7	39.9	42.1	43.9	44.3	45.0	45.2	45.2
GE 4000	3.8	44.4	45.7	47.9	49.7	50.1	50.8	51.0	51.0
GE 3500	4.5	49.2	50.5	53.1	54.9	55.3	56.0	56.2	56.2
GE 3000	4.6	56.6	57.9	61.5	63.8	64.1	65.1	65.3	65.3
GE 2500	5.3	60.6	61.9	65.9	68.2	68.6	69.5	69.8	69.8
GE 2000	5.5	66.7	68.2	72.6	75.1	75.4	76.6	76.9	77.0
GE 1800	5.8	68.4	69.9	74.4	76.9	77.2	78.5	78.7	78.9
GE 1500	6.3	73.2	75.1	80.2	83.1	83.5	84.9	85.1	85.2
GE 1200	6.8	75.1	77.1	83.6	86.8	87.6	89.8	90.1	90.4
GE 1000	7.1	76.4	78.5	85.2	88.5	89.4	92.3	92.9	93.5
GE 900	7.1	77.0	79.2	86.1	89.4	90.3	93.4	94.1	94.8
GE 800	7.1	77.3	79.8	86.8	90.2	91.1	94.3	95.0	95.9
GE 700	7.1	77.9	80.8	88.0	91.7	92.7	96.1	96.8	97.8
GE 600	7.1	78.3	81.1	88.3	92.1	93.0	96.6	97.6	98.6
GE 500	7.1	78.3	81.1	88.3	92.1	93.0	96.6	97.8	98.7
GE 400	7.1	78.3	81.1	88.4	92.2	93.3	96.9	98.2	99.2
GE 300	7.1	78.3	81.1	88.4	92.2	93.3	96.9	98.2	99.2
GE 200	7.1	78.3	81.1	88.4	92.2	93.3	96.9	98.2	99.2
GE 100	7.1	78.3	81.1	88.4	92.2	93.3	96.9	98.2	99.2
GE 0	7.1	78.3	81.1	88.4	92.2	93.3	96.9	98.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 847

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAR HOURS(LST): 1200-1400

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
9.7	20.1	20.3	20.3	20.5	20.5	20.5	20.5	20.5	20.5	20.5
8.0	28.3	28.6	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8
8.0	28.3	28.6	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8
8.0	28.3	28.6	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8
8.2	28.6	28.8	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0
9.2	29.5	29.8	29.8	30.0	30.0	30.0	30.0	30.0	30.0	30.0
1.3	31.8	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2
2.6	33.1	33.3	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5
4.7	35.2	35.4	35.4	35.8	35.9	35.9	35.9	35.9	35.9	35.9
6.6	37.1	37.3	37.3	37.7	37.8	37.8	37.8	37.8	37.8	37.8
7.1	37.8	38.0	38.0	38.4	38.5	38.5	38.5	38.5	38.5	38.5
1.6	42.3	42.5	42.5	42.9	43.0	43.0	43.0	43.0	43.0	43.0
4.3	45.0	45.2	45.2	45.6	45.7	45.7	45.7	45.7	45.7	45.7
0.1	50.8	51.0	51.0	51.4	51.5	51.5	51.5	51.5	51.5	51.5
5.3	56.0	56.2	56.2	56.6	56.7	56.7	56.7	56.7	56.7	56.7
4.1	65.1	65.3	65.3	65.6	65.8	65.8	65.9	65.9	65.9	65.9
8.6	69.5	69.8	69.8	70.1	70.2	70.2	70.4	70.4	70.4	70.4
5.4	76.6	76.9	77.0	77.3	77.4	77.4	77.6	77.6	77.6	77.6
7.2	78.5	78.7	78.9	79.2	79.3	79.3	79.5	79.5	79.5	79.5
3.5	84.9	85.1	85.2	85.6	85.7	85.7	85.8	85.8	85.8	85.8
7.6	89.8	90.1	90.4	90.8	90.9	90.9	91.0	91.0	91.0	91.0
9.4	92.3	92.9	93.5	93.9	94.0	94.0	94.1	94.1	94.1	94.1
0.3	93.4	94.1	94.8	95.2	95.3	95.3	95.4	95.4	95.4	95.4
1.1	94.3	95.0	95.9	96.2	96.3	96.3	96.5	96.5	96.5	96.5
2.7	96.1	96.8	97.8	98.1	98.2	98.2	98.3	98.3	98.3	98.3
3.0	96.6	97.6	98.6	98.9	99.1	99.1	99.2	99.2	99.2	99.2
3.0	96.6	97.8	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4
3.3	96.9	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0
3.3	96.9	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0
3.3	96.9	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0
3.3	96.9	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0
3.3	96.9	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	1.4	20.3	20.8	22.8	23.2	23.2	23.3	23.3	23.
GE 20000	2.0	27.2	27.8	30.5	30.9	30.9	31.0	31.0	31.
GE 18000	2.0	27.3	27.9	30.6	31.0	31.0	31.1	31.1	31.
GE 16000	2.0	27.3	27.9	30.6	31.0	31.0	31.1	31.1	31.
GE 14000	2.4	27.8	28.3	31.2	31.6	31.6	31.7	31.7	31.
GE 12000	2.5	28.7	29.5	32.4	32.8	32.8	32.9	32.9	32.
GE 10000	2.9	31.6	32.4	35.4	35.8	35.8	35.9	35.9	35.
GE 9000	2.9	32.2	33.0	36.1	36.5	36.5	36.6	36.6	36.
GE 8000	3.0	34.8	35.6	39.5	39.8	39.8	40.0	40.0	40.
GE 7000	3.0	36.5	37.4	41.5	42.0	42.0	42.1	42.1	42.
GE 6000	3.1	37.6	38.6	42.7	43.2	43.2	43.3	43.3	43.
GE 5000	3.3	42.2	43.5	47.8	48.7	48.7	48.8	48.8	48.
GE 4500	4.2	47.6	49.0	53.3	54.5	54.5	54.7	54.7	54.
GE 4000	4.3	52.3	53.7	58.0	59.2	59.3	59.4	59.4	59.
GE 3500	4.5	56.1	57.5	62.1	63.3	63.4	63.5	63.5	63.
GE 3000	5.0	63.3	65.6	70.5	72.1	72.4	72.5	72.5	72.
GE 2500	5.1	65.6	68.1	73.2	74.9	75.2	75.4	75.4	75.
GE 2000	5.9	70.1	73.0	79.4	81.2	81.6	82.2	82.3	82.
GE 1800	6.3	71.2	74.2	80.9	82.8	83.3	83.9	84.0	84.
GE 1500	6.7	74.3	77.5	84.7	87.0	87.7	88.3	88.5	88.
GE 1200	6.9	76.3	80.0	88.0	90.7	91.5	92.7	93.4	93.
GE 1000	7.2	77.5	81.5	89.6	92.3	93.2	94.4	95.3	95.
GE 900	7.2	77.9	81.9	90.1	92.8	93.7	94.9	95.8	96.
GE 800	7.2	78.5	82.7	91.0	93.8	94.6	95.8	96.9	97.
GE 700	7.2	78.5	82.7	91.5	94.3	95.2	96.4	97.5	98.
GE 600	7.2	78.6	82.8	91.7	94.5	95.5	96.9	98.0	98.
GE 500	7.2	78.6	82.8	91.9	94.6	95.6	97.1	98.2	98.
GE 400	7.2	78.6	82.8	91.9	94.7	95.7	97.4	98.4	99.
GE 300	7.2	78.6	82.8	91.9	94.7	95.7	97.4	98.4	99.
GE 200	7.2	78.6	82.8	91.9	94.7	95.7	97.4	98.4	99.
GE 100	7.2	78.6	82.8	91.9	94.7	95.7	97.4	98.4	99.
GE 0	7.2	78.6	82.8	91.9	94.7	95.7	97.4	98.4	99.

TOTAL NUMBER OF OBSERVATIONS: 836

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAR HOURS(LST): 1500-1700

	VISIBILITY IN HUNDREDS OF METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
.3	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
.0	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
.1	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
.1	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
.7	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
.9	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
.9	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
.6	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
.0	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
.2	42.0	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
.4	43.2	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
.9	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
.8	54.5	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
.6	59.3	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
.6	63.4	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
.6	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
.9	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
.7	81.6	82.2	82.3	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7
.4	83.3	83.9	84.0	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4
.1	87.7	88.3	88.5	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1
.3	91.5	92.7	93.4	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3
.9	93.2	94.4	95.3	95.9	96.5	96.7	96.7	96.7	96.7	96.7	96.7
.0	93.7	94.9	95.8	96.4	97.0	97.1	97.1	97.1	97.1	97.1	97.1
.1	94.6	95.8	96.9	97.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2
.7	95.2	96.4	97.5	98.1	98.7	98.9	98.9	98.9	98.9	98.9	98.9
.2	95.5	96.9	98.0	98.6	99.2	99.4	99.4	99.5	99.5	99.5	99.5
.4	95.6	97.1	98.2	98.8	99.4	99.6	99.6	99.8	99.8	99.8	99.8
.6	95.7	97.4	98.4	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0
.6	95.7	97.4	98.4	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0
.6	95.7	97.4	98.4	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0
.6	95.7	97.4	98.4	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0
.6	95.7	97.4	98.4	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	.4	31.7	31.7	33.8	34.8	35.2	35.9	36.3	36
GE 20000	1.0	38.1	38.6	41.4	42.5	42.9	43.6	44.0	44
GE 18000	1.0	38.3	38.7	41.5	42.6	43.1	43.8	44.2	44
GE 16000	1.0	38.3	38.7	41.5	42.6	43.1	43.8	44.2	44
GE 14000	1.0	38.3	38.7	41.5	42.6	43.1	43.8	44.2	44
GE 12000	1.1	38.6	39.1	41.9	43.1	43.5	44.2	44.6	44
GE 10000	1.1	41.5	42.1	44.9	46.0	46.4	47.1	47.5	47
GE 9000	1.1	42.1	42.6	45.4	46.6	47.0	47.7	48.1	48
GE 8000	1.1	45.6	46.3	49.1	50.2	50.6	51.3	51.8	51
GE 7000	1.1	46.6	47.3	50.1	51.6	52.0	53.0	53.4	53
GE 6000	1.1	48.2	48.9	51.8	53.6	54.0	55.0	55.4	55
GE 5000	1.1	52.3	53.0	56.8	58.6	59.0	60.2	60.6	60
GE 4500	1.1	55.1	56.0	59.7	61.9	62.3	63.4	63.8	64
GE 4000	1.1	58.5	59.3	63.1	65.2	65.6	66.8	67.2	67
GE 3500	1.1	62.8	64.0	68.0	70.1	70.5	71.7	72.1	72
GE 3000	1.1	67.2	68.3	73.4	75.7	76.2	77.3	77.7	77
GE 2500	1.1	69.0	70.3	75.7	78.1	78.5	79.7	80.1	80
GE 2000	1.1	72.5	73.8	79.8	82.3	82.7	83.9	84.3	84
GE 1800	1.1	73.1	74.3	80.4	83.0	83.5	84.6	85.1	85
GE 1500	1.1	74.2	75.5	81.5	84.2	84.6	86.1	87.1	87
GE 1200	1.3	75.6	77.3	83.6	86.3	86.7	88.2	89.5	89
GE 1000	1.4	77.1	79.1	85.8	88.6	89.1	90.6	91.9	92
GE 900	1.4	77.4	79.4	86.1	88.9	89.3	90.9	92.1	92
GE 800	1.4	77.8	79.9	86.8	89.8	90.2	91.7	93.3	93
GE 700	1.4	79.0	81.8	89.1	92.0	92.4	94.0	95.5	95
GE 600	1.4	79.0	81.9	89.5	92.4	93.0	94.5	96.1	96
GE 500	1.4	79.1	82.0	89.6	93.1	93.7	95.2	96.9	97
GE 400	1.4	79.4	82.3	89.9	93.4	94.0	95.5	97.2	97
GE 300	1.4	79.4	82.3	89.9	93.4	94.0	95.5	97.3	97
GE 200	1.4	79.4	82.3	89.9	93.4	94.0	95.5	97.3	97
GE 100	1.4	79.4	82.3	89.9	93.4	94.0	95.5	97.3	97
GE 0	1.4	79.4	82.3	89.9	93.4	94.0	95.5	97.3	97

TOTAL NUMBER OF OBSERVATIONS: 713

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAR HOURS(LST): 1800-2000

	VISIBILITY IN HUNDREDS OF METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
2	35.9	36.3	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6
9	43.6	44.0	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3
1	43.8	44.2	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5
1	43.8	44.2	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5
1	43.8	44.2	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5
5	44.2	44.6	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9
4	47.1	47.5	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
0	47.7	48.1	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4
6	51.3	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
0	53.0	53.4	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9
0	55.0	55.4	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8
0	60.2	60.6	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
3	63.4	63.8	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2
8	66.8	67.2	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6
5	71.7	72.1	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5
2	77.3	77.7	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
5	79.7	80.1	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
7	83.9	84.3	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0
5	84.6	85.1	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
6	86.1	87.1	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2
7	88.2	89.5	89.9	90.7	90.7	90.7	90.7	90.7	90.7	90.7
1	90.6	91.9	92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1
3	90.9	92.1	92.6	93.4	93.4	93.4	93.4	93.4	93.4	93.4
2	91.7	93.3	93.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5
4	94.0	95.5	95.9	96.8	96.9	96.9	96.9	96.9	96.9	96.9
0	94.5	96.1	96.6	97.9	98.0	98.0	98.2	98.2	98.2	98.2
7	95.2	96.9	97.5	99.0	99.2	99.2	99.6	99.6	99.6	99.6
0	95.5	97.2	97.8	99.3	99.4	99.4	99.9	99.9	99.9	99.9
0	95.5	97.3	97.9	99.4	99.6	99.6	100.0	100.0	100.0	100.0
0	95.5	97.3	97.9	99.4	99.6	99.6	100.0	100.0	100.0	100.0
0	95.5	97.3	97.9	99.4	99.6	99.6	100.0	100.0	100.0	100.0
0	95.5	97.3	97.9	99.4	99.6	99.6	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUNDR GE 32	GE 24	GE 2
NO CEIL	.2	37.2	38.0	39.5	41.1	41.1	42.3	42.9	42.
GE 20000	.3	41.0	41.9	43.7	45.3	45.5	46.8	47.4	47.
GE 18000	.3	41.0	41.9	43.7	45.3	45.5	46.8	47.4	47.
GE 16000	.3	41.0	41.9	43.7	45.3	45.5	46.8	47.4	47.
GE 14000	.3	41.0	41.9	43.7	45.3	45.5	46.8	47.4	47.
GE 12000	.3	41.1	42.0	43.8	45.5	45.6	47.0	47.6	47.
GE 10000	.3	42.3	43.2	45.0	46.7	46.8	48.2	48.8	48.
GE 9000	.3	42.6	43.5	45.3	47.0	47.1	48.5	49.1	49.
GE 8000	.3	45.5	46.4	48.2	49.8	50.0	51.7	52.3	52.
GE 7000	.3	45.9	46.8	48.6	50.6	50.8	52.4	53.0	53.
GE 6000	.5	48.0	48.9	50.9	52.9	53.0	54.7	55.3	55.
GE 5000	.6	52.0	52.9	55.0	56.9	57.2	59.0	59.6	59.
GE 4500	.6	54.5	55.4	57.5	59.5	59.8	61.7	62.3	62.
GE 4000	.6	58.7	59.6	62.0	64.1	64.4	66.4	67.0	67.
GE 3500	.8	67.4	64.3	66.7	68.8	69.2	71.2	71.8	71.
GE 3000	.8	67.0	68.6	71.6	74.0	74.5	76.4	77.0	77.
GE 2500	.8	68.3	69.4	72.5	74.9	75.4	77.3	77.9	78.
GE 2000	.9	72.2	73.3	76.6	79.0	79.4	81.4	82.0	82.
GE 1800	.9	73.0	74.0	77.3	79.7	80.2	82.1	82.7	82.
GE 1500	.9	73.9	74.9	78.8	81.2	81.7	83.9	84.5	84.
GE 1200	1.1	76.0	77.3	81.5	83.9	84.5	86.8	88.3	88.
GE 1000	1.1	77.6	79.0	83.3	85.7	86.3	88.6	90.1	90.
GE 900	1.1	78.1	79.6	84.1	86.8	87.4	89.8	91.3	91.
GE 800	1.1	79.1	80.6	85.3	88.0	88.6	91.0	92.5	92.
GE 700	1.1	80.2	82.4	87.5	90.5	91.1	93.7	95.2	95.
GE 600	1.1	80.6	82.9	88.1	91.1	91.7	94.3	95.8	95.
GE 500	1.1	80.8	83.2	88.6	91.9	92.5	95.3	96.8	97.
GE 400	1.2	80.9	83.3	88.9	92.3	92.9	96.1	97.7	97.
GE 300	1.2	80.9	83.3	88.9	92.5	93.1	96.2	98.0	98.
GE 200	1.2	80.9	83.3	88.9	92.5	93.1	96.2	98.0	98.
GE 100	1.2	80.9	83.3	88.9	92.5	93.1	96.2	98.0	98.
GE 0	1.2	80.9	83.3	88.9	92.5	93.1	96.2	98.0	98.

TOTAL NUMBER OF OBSERVATIONS: 666

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

IRFORD UK

PERIOD OF RECORD: 75-76,81-87
MONTH: MAR HOURS(LST): 2100-2300

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
41.1	42.3	42.9	42.9	43.2	43.2	43.4	43.4	43.5	43.5	43.7
45.5	46.8	47.4	47.4	47.7	47.7	47.9	47.9	48.0	48.0	48.2
45.5	46.8	47.4	47.4	47.7	47.7	47.9	47.9	48.0	48.0	48.2
45.5	46.8	47.4	47.4	47.7	47.7	47.9	47.9	48.0	48.0	48.2
45.5	46.8	47.4	47.4	47.7	47.7	47.9	47.9	48.0	48.0	48.2
45.6	47.0	47.6	47.6	47.9	47.9	48.0	48.0	48.2	48.2	48.3
46.8	48.2	48.8	48.8	49.1	49.1	49.2	49.2	49.4	49.4	49.5
47.1	48.5	49.1	49.1	49.4	49.4	49.5	49.5	49.7	49.7	49.8
50.0	51.7	52.3	52.4	52.7	52.7	52.9	52.9	53.0	53.0	53.2
50.8	52.4	53.0	53.2	53.5	53.5	53.6	53.6	53.8	53.8	53.9
53.0	54.7	55.3	55.4	55.7	55.7	55.9	55.9	56.0	56.0	56.2
57.2	59.0	59.6	59.8	60.5	60.5	60.7	60.7	60.8	60.8	61.0
59.8	61.7	62.3	62.5	63.2	63.2	63.4	63.4	63.5	63.5	63.7
64.4	66.4	67.0	67.1	67.9	67.9	68.0	68.0	68.2	68.2	68.3
69.2	71.2	71.8	71.9	72.7	72.7	72.8	72.8	73.0	73.0	73.1
74.5	76.4	77.0	77.2	77.9	77.9	78.1	78.1	78.2	78.2	78.4
75.4	77.3	77.9	78.1	78.8	78.8	79.0	79.0	79.1	79.1	79.3
79.4	81.4	82.0	82.1	82.9	82.9	83.0	83.0	83.2	83.2	83.3
80.2	82.1	82.7	82.9	83.6	83.6	83.8	83.8	83.9	83.9	84.1
81.7	83.9	84.5	84.7	85.4	85.4	85.6	85.6	85.7	85.7	85.9
84.5	86.8	88.3	88.4	89.2	89.2	89.3	89.3	89.5	89.5	89.6
86.3	88.6	90.1	90.2	91.0	91.0	91.1	91.1	91.3	91.3	91.4
87.4	89.8	91.3	91.4	92.2	92.2	92.3	92.3	92.5	92.5	92.6
88.6	91.0	92.5	92.6	93.4	93.4	93.5	93.5	93.7	93.7	93.8
91.1	93.7	95.2	95.3	96.1	96.1	96.2	96.2	96.4	96.4	96.5
91.7	94.3	95.8	95.9	96.7	96.7	96.8	96.8	97.0	97.0	97.1
92.5	95.3	96.8	97.0	97.7	98.0	98.2	98.2	98.3	98.3	98.5
92.9	96.1	97.7	97.9	98.6	99.2	99.4	99.4	99.5	99.5	99.7
93.1	96.2	98.0	98.2	98.9	99.5	99.7	99.7	99.8	99.8	100.0
93.1	96.2	98.0	98.2	98.9	99.5	99.7	99.7	99.8	99.8	100.0
93.1	96.2	98.0	98.2	98.9	99.5	99.7	99.7	99.8	99.8	100.0
93.1	96.2	98.0	98.2	98.9	99.5	99.7	99.7	99.8	99.8	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUN GE 32	GE 24	C
NO CEIL	1.0	22.6	23.1	25.0	26.3	26.5	27.3	27.8	28
GE 20000	1.5	27.5	28.2	30.5	32.2	32.5	33.5	34.2	34
GE 18000	1.5	27.5	28.2	30.6	32.2	32.5	33.5	34.2	34
GE 16000	1.5	27.5	28.2	30.6	32.2	32.6	33.6	34.2	34
GE 14000	1.6	27.7	28.5	30.9	32.5	32.8	33.8	34.5	34
GE 12000	1.7	28.3	29.2	31.6	33.3	33.6	34.6	35.3	35
GE 10000	1.8	30.3	31.3	33.8	35.5	35.9	37.0	37.7	38
GE 9000	1.8	30.8	31.8	34.4	36.1	36.5	37.6	38.3	38
GE 8000	1.9	33.1	34.2	37.0	38.7	39.2	40.4	41.1	41
GE 7000	1.9	34.1	35.2	38.1	40.0	40.5	41.7	42.4	42
GE 6000	2.0	35.1	36.3	39.3	41.2	41.7	43.0	43.8	44
GE 5000	2.3	38.8	40.1	43.4	45.5	46.0	47.5	48.3	48
GE 4500	2.5	41.3	42.8	46.1	48.4	48.9	50.4	51.2	51
GE 4000	2.8	45.5	47.1	50.5	53.0	53.6	55.1	56.0	56
GE 3500	3.0	49.5	51.3	55.0	57.6	58.2	59.6	60.6	61
GE 3000	3.2	54.7	56.6	60.9	63.8	64.4	65.9	67.0	67
GE 2500	3.4	56.8	58.8	63.2	66.2	66.8	68.4	69.5	70
GE 2000	3.8	61.1	63.3	68.2	71.3	72.0	73.7	74.8	75
GE 1800	4.0	62.0	64.3	69.3	72.5	73.1	74.9	76.1	76
GE 1500	4.3	64.4	66.8	72.2	75.6	76.3	78.3	79.5	80
GE 1200	4.6	66.6	69.3	75.3	78.9	79.7	82.0	83.5	84
GE 1000	4.7	68.1	70.9	77.2	81.0	81.8	84.3	86.2	87
GE 900	4.7	68.7	71.7	78.0	81.9	82.8	85.4	87.4	88
GE 800	4.7	69.4	72.5	79.1	83.1	84.1	86.7	88.8	89
GE 700	4.7	70.1	73.6	80.6	84.8	85.8	88.7	90.8	91
GE 600	4.7	70.5	74.0	81.2	85.5	86.6	89.6	91.9	93
GE 500	4.7	70.6	74.1	81.4	86.0	87.1	90.2	92.7	94
GE 400	4.7	70.7	74.3	81.9	86.5	87.7	91.0	93.5	95
GE 300	4.7	70.7	74.3	81.9	86.6	87.8	91.2	93.9	95
GE 200	4.7	70.7	74.3	81.9	86.6	87.8	91.2	93.9	95
GE 100	4.7	70.7	74.3	81.9	86.6	87.8	91.2	93.9	95
GE 0	4.7	70.7	74.3	81.9	86.6	87.8	91.2	93.9	95

TOTAL NUMBER OF OBSERVATIONS: 6279

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAR HOURS(LST): ALL

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
27.3	27.8	28.1	28.6	28.6	28.8	28.9	29.0	29.2	29.7
33.5	34.2	34.5	35.1	35.1	35.3	35.4	35.5	35.7	36.3
33.5	34.2	34.6	35.1	35.2	35.4	35.4	35.6	35.7	36.3
33.6	34.2	34.6	35.2	35.2	35.4	35.4	35.6	35.7	36.3
33.8	34.5	34.9	35.5	35.5	35.7	35.7	35.9	36.0	36.6
34.6	35.3	35.7	36.3	36.3	36.5	36.6	36.7	36.9	37.5
37.0	37.7	38.1	38.7	38.7	38.9	38.9	39.1	39.2	39.8
37.6	38.3	38.7	39.3	39.4	39.6	39.6	39.7	39.9	40.5
40.4	41.1	41.5	42.1	42.2	42.4	42.4	42.6	42.7	43.3
41.7	42.4	42.9	43.5	43.6	43.8	43.8	44.0	44.1	44.7
43.0	43.8	44.2	44.9	45.0	45.2	45.2	45.3	45.5	46.1
47.5	48.3	48.8	49.5	49.6	49.8	49.8	50.0	50.1	50.8
50.4	51.2	51.7	52.5	52.6	52.8	52.8	52.9	53.1	53.7
55.	56.0	56.5	57.3	57.4	57.6	57.6	57.7	57.9	58.5
59.6	60.6	61.1	61.8	61.9	62.2	62.2	62.3	62.5	63.1
65.9	67.0	67.5	68.3	68.4	68.6	68.7	68.8	69.0	69.6
68.4	69.5	70.0	70.8	71.0	71.2	71.2	71.4	71.5	72.1
73.7	74.8	75.4	76.3	76.4	76.6	76.7	76.8	77.0	77.6
74.9	76.1	76.7	77.5	77.6	77.8	77.9	78.1	78.2	78.8
78.3	79.5	80.2	81.1	81.2	81.4	81.5	81.6	81.8	82.4
82.0	83.5	84.2	85.2	85.3	85.5	85.6	85.8	85.9	86.6
84.3	86.2	87.0	88.0	88.2	88.4	88.5	88.6	88.8	89.4
85.4	87.4	88.3	89.3	89.5	89.7	89.8	90.0	90.1	90.7
86.7	88.8	89.8	90.8	91.0	91.2	91.3	91.4	91.6	92.2
88.7	90.8	91.9	93.0	93.2	93.5	93.5	93.7	93.9	94.5
89.6	91.9	93.1	94.3	94.5	94.8	94.9	95.0	95.2	95.8
90.2	92.7	94.0	95.3	95.6	95.8	96.0	96.1	96.3	96.9
91.0	93.5	95.1	96.5	96.8	97.2	97.3	97.5	97.7	98.3
91.2	93.9	95.5	96.9	97.5	97.9	98.0	98.3	98.5	99.2
91.2	93.9	95.6	97.0	97.6	98.0	98.2	98.5	98.7	99.5
91.2	93.9	95.6	97.1	97.6	98.0	98.2	98.6	98.9	99.9
91.2	93.9	95.6	97.1	97.6	98.1	98.3	98.6	98.9	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRED								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	4.6	41.0	42.0	44.5	45.2	46.1	46.4	46.8	47.0
GE 20000	5.3	44.4	45.6	48.2	48.9	49.9	50.5	50.9	51.1
GE 18000	5.3	44.4	45.6	48.3	49.0	50.1	50.6	51.0	51.3
GE 16000	5.3	44.4	45.6	48.3	49.0	50.1	50.6	51.0	51.3
GE 14000	5.3	44.4	45.6	48.3	49.0	50.1	50.6	51.0	51.3
GE 12000	5.5	44.9	46.1	49.0	49.7	50.7	51.3	51.7	51.9
GE 10000	6.2	46.9	48.1	51.3	52.0	53.1	53.6	54.0	54.3
GE 9000	6.2	47.2	48.3	51.5	52.3	53.4	53.9	54.3	54.6
GE 8000	6.3	50.6	51.8	55.7	56.5	57.6	58.3	58.7	58.9
GE 7000	6.3	51.4	52.6	56.5	57.3	58.4	59.0	59.4	59.7
GE 6000	6.6	53.2	54.7	59.0	60.0	61.2	61.8	62.2	62.5
GE 5000	7.0	57.7	59.3	64.2	65.4	66.6	67.2	67.6	67.9
GE 4500	7.3	60.5	62.4	67.4	68.8	70.0	70.8	71.3	71.6
GE 4000	7.4	62.1	63.9	69.1	70.5	71.7	72.5	73.1	73.3
GE 3500	7.5	65.1	67.0	72.1	73.8	75.0	75.8	76.4	76.6
GE 3000	7.7	68.7	70.5	75.8	77.9	79.1	79.9	80.4	80.7
GE 2500	7.7	69.6	71.6	76.9	79.1	80.3	81.1	81.6	81.9
GE 2000	8.3	73.3	75.8	81.2	83.5	84.7	85.5	86.0	86.3
GE 1800	8.3	73.6	76.1	81.5	83.8	84.9	85.7	86.3	86.5
GE 1500	8.3	75.0	77.5	83.4	85.6	86.8	87.6	88.2	88.5
GE 1200	8.5	77.1	79.7	85.6	88.0	89.2	90.0	90.9	91.1
GE 1000	9.1	78.7	81.4	87.6	90.0	91.1	91.9	92.9	93.1
GE 900	9.4	79.3	81.9	88.1	90.5	91.7	92.5	93.4	93.7
GE 800	9.4	80.1	82.8	89.3	91.7	92.9	93.7	94.6	94.8
GE 700	9.4	80.3	83.1	89.7	92.1	93.3	94.1	95.0	95.2
GE 600	9.4	80.6	83.4	90.1	92.5	93.9	94.8	95.8	96.0
GE 500	9.6	80.8	83.6	90.8	93.3	94.7	96.0	97.0	97.2
GE 400	9.6	80.8	83.8	90.9	93.5	95.1	96.4	97.4	97.6
GE 300	9.6	80.8	83.8	90.9	93.5	95.1	96.4	97.4	97.6
GE 200	9.6	80.8	83.8	90.9	93.5	95.1	96.4	97.4	97.6
GE 100	9.6	80.8	83.8	90.9	93.5	95.1	96.4	97.4	97.6
GE 0	9.6	80.8	83.8	90.9	93.5	95.1	96.4	97.4	97.6

TOTAL NUMBER OF OBSERVATIONS: 757

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): 0000-0200

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
1	46.4	46.8	47.0	47.2	47.2	47.2	47.2	47.3	47.7	47.7
9	50.5	50.9	51.1	51.5	51.5	51.5	51.5	51.8	52.2	52.2
1	50.6	51.0	51.3	51.7	51.7	51.7	51.7	51.9	52.3	52.3
1	50.6	51.0	51.3	51.7	51.7	51.7	51.7	51.9	52.3	52.3
1	50.6	51.0	51.3	51.7	51.7	51.7	51.7	51.9	52.3	52.3
7	51.3	51.7	51.9	52.3	52.3	52.3	52.3	52.6	53.0	53.0
1	53.6	54.0	54.3	54.7	54.7	54.7	54.7	55.0	55.4	55.4
4	53.9	54.3	54.6	55.0	55.0	55.0	55.0	55.2	55.6	55.6
6	58.3	58.7	58.9	59.3	59.3	59.3	59.3	59.6	60.0	60.0
4	59.0	59.4	59.7	60.1	60.1	60.1	60.1	60.4	60.8	60.8
2	61.8	62.2	62.5	62.9	62.9	62.9	62.9	63.1	63.5	63.5
6	67.2	67.6	67.9	68.6	68.6	68.6	68.6	68.8	69.2	69.2
6	70.8	71.3	71.6	72.3	72.3	72.3	72.3	72.5	72.9	72.9
7	72.5	73.1	73.3	74.0	74.0	74.0	74.0	74.2	74.6	74.6
0	75.8	76.4	76.6	77.3	77.3	77.3	77.3	77.5	77.9	77.9
1	79.9	80.4	80.7	81.4	81.4	81.4	81.4	81.6	82.0	82.0
3	81.1	81.6	81.9	82.6	82.6	82.6	82.6	82.8	83.2	83.2
7	85.5	86.0	86.3	86.9	86.9	86.9	86.9	87.2	87.6	87.6
9	85.7	86.3	86.5	87.2	87.2	87.2	87.2	87.5	87.8	87.8
8	87.6	88.2	88.5	89.2	89.2	89.2	89.2	89.4	89.8	89.8
2	90.0	90.9	91.1	91.8	91.9	91.9	91.9	92.2	92.6	92.6
1	91.9	92.9	93.1	93.9	94.1	94.2	94.2	94.5	94.8	94.8
7	92.5	93.4	93.7	94.6	94.7	94.8	94.8	95.2	95.6	95.6
9	93.7	94.6	94.8	95.8	95.9	96.0	96.0	96.4	96.8	96.8
3	94.1	95.0	95.2	96.2	96.3	96.4	96.4	96.8	97.2	97.2
9	94.8	95.8	96.0	97.0	97.1	97.2	97.2	97.6	98.0	98.0
7	96.0	97.0	97.2	98.2	98.3	98.4	98.4	98.8	99.2	99.2
1	96.4	97.4	97.6	98.5	98.7	98.8	98.8	99.2	99.6	99.6
1	96.4	97.4	97.6	98.5	98.7	98.8	98.8	99.2	99.6	99.6
1	96.4	97.4	97.6	98.5	98.7	98.8	98.8	99.2	99.9	99.9
1	96.4	97.4	97.6	98.5	98.7	98.8	98.8	99.2	99.9	99.9
1	96.4	97.4	97.6	98.5	98.7	98.8	98.8	99.2	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NC CEIL	3.3	30.4	32.0	33.9	35.7	36.1	36.8	37.6	37.
GE 20000	4.1	34.0	35.7	38.1	40.2	40.7	41.8	42.7	42.
GE 18000	4.1	34.1	35.8	38.2	40.3	40.9	41.9	42.9	43.
GE 16000	4.1	34.1	35.8	38.2	40.3	40.9	41.9	42.9	43.
GE 14000	4.1	34.1	35.8	38.2	40.3	40.9	41.9	42.9	43.
GE 12000	4.1	34.5	36.2	38.8	40.9	41.4	42.5	43.4	43.
GE 10000	4.6	36.9	38.6	41.5	43.7	44.2	45.4	46.4	46.
GE 9000	4.9	37.2	38.9	41.9	44.0	44.6	45.8	46.8	47.
GE 8000	4.9	39.2	41.3	44.6	47.0	47.5	48.7	49.7	49
GE 7000	4.9	39.9	42.2	45.5	47.9	48.4	49.6	50.7	50
GE 6000	5.0	41.0	43.3	47.0	49.6	50.1	51.5	52.5	52
GE 5000	5.0	44.8	47.4	51.5	54.6	55.2	56.7	57.8	57
GE 4500	5.3	47.5	50.1	54.5	57.7	58.3	60.1	61.2	61
GE 4000	5.6	50.3	52.9	57.9	61.1	61.8	63.6	64.8	64
GE 3500	5.7	51.9	54.5	59.5	62.7	63.5	65.5	66.7	66
GE 3000	5.8	54.8	57.7	62.7	65.9	66.9	68.9	70.4	70
GE 2500	5.8	56.5	59.4	64.4	67.6	68.7	70.8	72.2	72
GE 2000	6.2	61.0	64.2	69.2	72.4	73.4	75.5	77.0	77
GE 1800	6.2	62.0	65.2	70.2	73.5	74.6	76.7	78.2	78
GE 1500	6.2	64.2	67.3	72.4	75.7	76.7	79.0	80.7	81
GE 1200	6.9	66.4	69.6	74.9	78.3	79.4	81.6	83.6	83
GE 1000	7.0	68.0	71.3	77.1	80.6	81.6	83.9	86.0	86
GE 900	7.0	69.0	72.5	78.3	81.7	82.8	85.2	87.3	87
GE 800	7.1	69.8	73.3	79.4	82.9	84.1	86.9	89.0	89
GE 700	7.3	70.6	74.1	80.6	84.4	85.6	88.6	90.7	91
GE 600	7.3	70.8	74.2	81.1	85.1	86.2	89.3	91.4	92
GE 500	7.3	71.0	74.5	81.6	86.0	87.2	90.3	92.5	93
GE 400	7.3	71.3	74.7	81.9	86.8	88.0	91.3	93.4	94
GE 300	7.3	71.3	74.7	81.9	86.9	88.1	91.4	93.7	94
GE 200	7.3	71.3	74.7	81.9	86.9	88.1	91.4	93.7	94
GE 100	7.3	71.3	74.7	81.9	86.9	88.1	91.4	93.7	94
GE 0	7.3	71.3	74.7	81.9	86.9	88.1	91.4	93.7	94

TOTAL NUMBER OF OBSERVATIONS: 756

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): 0300-0500

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
1	36.8	37.6	37.6	37.7	37.8	38.5	38.6	38.6	38.9	40.1
7	41.8	42.7	42.9	43.0	43.1	43.9	44.0	44.0	44.3	45.5
9	41.9	42.9	43.0	43.1	43.3	44.0	44.2	44.2	44.4	45.6
9	41.9	42.9	43.0	43.1	43.3	44.0	44.2	44.2	44.4	45.6
9	41.9	42.9	43.0	43.1	43.3	44.0	44.2	44.2	44.4	45.6
4	42.5	43.4	43.5	43.7	43.8	44.6	44.7	44.7	45.0	46.2
2	45.4	46.4	46.6	46.8	47.0	47.8	47.9	47.9	48.1	49.3
6	45.8	46.8	47.0	47.2	47.4	48.1	48.3	48.3	48.5	49.7
5	48.7	49.7	49.9	50.1	50.3	51.1	51.2	51.2	51.6	52.8
4	49.6	50.7	50.8	51.1	51.2	52.0	52.1	52.1	52.5	53.7
1	51.5	52.5	52.6	52.9	53.0	53.8	54.0	54.0	54.4	55.6
2	56.7	57.8	57.9	58.2	58.3	59.1	59.3	59.3	59.8	61.0
3	60.1	61.2	61.4	61.6	61.8	62.6	62.7	62.7	63.2	64.4
8	63.6	64.8	64.9	65.2	65.3	66.1	66.3	66.3	66.8	68.0
5	65.5	66.7	66.8	67.1	67.2	68.0	68.1	68.1	68.7	69.8
9	68.9	70.4	70.5	70.9	71.0	71.8	72.0	72.0	72.5	73.7
7	70.8	72.2	72.4	72.9	73.0	73.8	73.9	73.9	74.5	75.7
4	75.5	77.0	77.2	77.8	77.9	78.7	78.8	78.8	79.4	80.6
6	76.7	78.2	78.4	79.0	79.1	79.9	80.0	80.0	80.6	81.7
7	79.0	80.7	81.0	81.5	81.7	82.5	82.7	82.7	83.2	84.4
4	81.6	83.6	83.9	84.5	84.8	85.6	85.7	85.7	86.2	87.4
6	83.9	86.0	86.4	87.4	87.7	88.5	88.6	88.6	89.2	90.3
8	85.2	87.3	87.7	88.8	89.0	89.8	89.9	89.9	90.5	91.7
1	86.9	89.0	89.4	90.5	90.7	91.5	91.7	91.7	92.2	93.4
6	88.6	90.7	91.3	92.3	92.6	93.4	93.5	93.5	94.0	95.2
2	89.3	91.4	92.1	93.1	93.4	94.2	94.3	94.3	94.8	96.0
2	90.3	92.5	93.1	94.2	94.4	95.2	95.4	95.4	95.9	97.1
0	91.3	93.4	94.0	95.1	95.4	96.2	96.3	96.3	96.8	98.0
1	91.4	93.7	94.3	95.4	95.6	96.4	96.7	96.7	97.4	98.5
1	91.4	93.7	94.3	95.4	95.6	96.4	96.7	97.0	97.8	99.3
1	91.4	93.7	94.4	95.6	95.9	96.7	97.0	97.4	98.1	99.7
1	91.4	93.7	94.4	95.6	95.9	96.7	97.0	97.4	98.1	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRI								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	3.3	24.3	26.0	27.8	29.1	29.3	31.1	31.8	33.
GE 20000	3.6	27.8	29.9	32.0	34.0	34.4	36.4	37.3	38.
GE 18000	3.6	27.8	29.9	32.0	34.0	34.4	36.4	37.3	38.
GE 16000	3.6	27.8	29.9	32.0	34.0	34.4	36.4	37.3	38.
GE 14000	3.6	28.3	30.4	32.4	34.5	34.9	36.9	37.8	39.
GE 12000	3.6	28.7	30.8	32.9	35.0	35.4	37.4	38.3	39.
GE 10000	3.9	31.1	33.2	35.7	37.9	38.4	41.0	41.9	43.
GE 9000	3.9	31.6	33.7	36.2	38.4	38.9	41.5	42.4	43.
GE 8000	3.9	33.8	35.8	39.0	41.2	41.6	44.3	45.2	46.
GE 7000	3.9	34.5	36.6	39.7	42.0	42.5	45.2	46.0	47.
GE 6000	4.1	35.5	37.5	40.9	43.5	43.9	47.0	47.8	49.
GE 5000	4.5	38.4	40.7	45.2	48.2	49.3	53.1	54.1	55.
GE 4500	4.7	40.2	42.5	47.1	50.2	51.3	55.3	56.3	58.
GE 4000	4.7	42.9	45.6	50.8	54.1	55.2	59.2	60.2	62.
GE 3500	4.8	44.4	47.2	52.5	55.9	57.0	61.0	62.1	64.
GE 3000	5.2	47.5	50.2	55.9	59.4	60.7	64.8	65.9	67.
GE 2500	5.3	49.4	52.2	58.1	61.6	63.0	67.1	68.2	70.
GE 2000	5.7	51.8	55.0	61.5	65.3	66.6	70.7	71.8	73.
GE 1800	5.7	52.4	55.6	62.2	66.0	67.3	71.5	72.6	74.
GE 1500	6.1	55.3	59.1	66.3	70.3	71.7	76.0	77.1	79.
GE 1200	6.8	57.4	61.4	69.4	73.6	74.9	79.3	80.4	82.
GE 1000	7.1	59.2	63.3	71.8	76.0	77.4	81.8	83.3	85.
GE 900	7.3	59.8	64.0	72.6	77.4	78.7	83.3	84.7	86.
GE 800	7.3	60.0	64.3	73.1	77.8	79.2	84.3	86.0	88.
GE 700	7.3	60.4	64.6	73.7	78.5	79.9	85.2	87.0	89.
GE 600	7.4	60.7	64.9	74.1	78.8	80.3	85.8	87.7	89.
GE 500	7.4	61.0	65.4	75.1	79.8	81.2	86.8	88.7	90.
GE 400	7.4	61.1	65.6	75.3	80.0	81.5	87.0	89.3	91.
GE 300	7.4	61.1	65.6	75.4	80.1	81.6	87.2	89.6	92.
GE 200	7.4	61.1	65.6	75.4	80.3	81.7	87.3	89.7	92.
GE 100	7.4	61.1	65.6	75.4	80.3	81.7	87.3	89.8	92.
GE 0	7.4	61.1	65.6	75.4	80.3	81.7	87.3	89.8	92.

TOTAL NUMBER OF OBSERVATIONS: 826

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

IRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): 0600-0800

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS									
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
GE 22	29.3	31.1	31.8	33.1	33.5	33.5	33.8	33.8	33.9	33.9	34.6
GE 20	34.4	36.4	37.3	38.5	39.1	39.1	39.3	39.5	39.7	39.7	40.4
GE 18	34.4	36.4	37.3	38.5	39.1	39.1	39.3	39.5	39.7	39.7	40.4
GE 16	34.4	36.4	37.3	38.5	39.1	39.1	39.3	39.5	39.7	39.7	40.4
GE 14	34.9	36.9	37.8	39.0	39.7	39.7	40.0	40.1	40.3	40.3	41.0
GE 12	35.4	37.4	38.3	39.5	40.2	40.2	40.4	40.6	40.8	40.8	41.5
GE 10	38.4	41.0	41.9	43.2	43.9	43.9	44.2	44.4	44.8	44.8	45.5
GE 9	38.9	41.5	42.4	43.7	44.4	44.4	44.7	44.9	45.3	45.3	46.0
GE 8	41.6	44.3	45.2	46.5	47.9	48.1	48.3	48.5	48.9	49.3	50.1
GE 7	42.5	45.2	46.0	47.3	48.8	49.0	49.3	49.5	49.9	50.2	51.1
GE 6	43.9	47.0	47.8	49.2	50.6	50.8	51.1	51.3	51.7	52.1	52.9
GE 5	49.3	53.1	54.1	55.8	57.3	57.5	57.7	58.0	58.4	58.8	59.7
GE 4	51.3	55.3	56.3	58.0	59.6	59.8	60.0	60.3	60.7	61.1	62.0
GE 3	55.2	59.2	60.2	62.0	63.7	63.9	64.2	64.4	64.8	65.3	66.1
GE 2	57.0	61.0	62.1	64.0	65.7	66.0	66.2	66.5	66.8	67.3	68.2
GE 1	60.7	64.8	65.9	67.9	69.6	69.9	70.1	70.3	70.7	71.2	72.0
GE 0	63.0	67.1	68.2	70.2	71.9	72.2	72.4	72.6	73.0	73.5	74.3
NO CEIL	66.6	70.7	71.8	73.8	75.7	75.9	76.2	76.4	76.9	77.4	78.2
	67.3	71.5	72.6	74.7	76.8	77.0	77.2	77.5	78.0	78.5	79.3
	71.7	76.0	77.1	79.2	81.2	81.5	81.8	82.1	82.8	83.3	84.1
	74.9	79.3	80.4	82.4	84.5	84.7	85.1	85.4	86.1	86.6	87.4
	77.4	81.8	83.3	85.5	87.5	87.8	88.3	88.5	89.3	89.8	90.7
	78.7	83.3	84.7	86.9	89.0	89.2	89.7	90.0	90.8	91.3	92.1
	79.2	84.3	86.0	88.1	90.2	90.4	90.9	91.2	92.1	92.6	93.5
	79.9	85.2	87.0	89.2	91.3	91.5	92.0	92.3	93.2	93.7	94.6
	80.3	85.8	87.7	89.8	91.9	92.1	92.6	92.9	93.8	94.3	95.2
	81.2	86.8	88.7	90.9	93.0	93.2	93.7	93.9	94.9	95.4	96.2
	81.5	87.0	89.3	91.8	93.8	94.2	94.7	94.9	95.9	96.4	97.2
	81.6	87.2	89.6	92.1	94.6	94.9	95.4	95.6	96.6	97.1	98.4
	81.7	87.3	89.7	92.3	94.8	95.2	95.6	95.9	96.9	97.5	99.4
	81.7	87.3	89.8	92.4	94.9	95.5	96.0	96.2	97.3	97.9	99.9
	81.7	87.3	89.8	92.4	94.9	95.5	96.0	96.2	97.5	98.1	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	1.7	24.6	25.2	27.0	28.5	28.8	29.8	30.0	30
GE 20000	1.9	28.7	29.5	31.8	33.7	34.1	35.1	35.5	35
GE 18000	1.9	28.7	29.5	31.8	33.7	34.1	35.1	35.5	35
GE 16000	1.9	28.7	29.5	31.8	33.7	34.1	35.1	35.5	35
GE 14000	2.3	29.4	30.3	32.7	34.5	35.0	36.0	36.3	36
GE 12000	2.8	30.1	31.0	33.4	35.2	35.7	36.7	37.0	37
GE 10000	2.9	32.3	33.2	36.4	38.4	38.9	39.8	40.2	40
GE 9000	3.0	32.6	33.5	36.9	38.9	39.3	40.3	40.7	41
GE 8000	3.0	34.4	35.5	39.2	41.4	41.9	43.0	43.3	43
GE 7000	3.1	35.5	36.7	40.4	42.6	43.1	44.2	44.6	44
GE 6000	3.4	36.8	38.1	41.9	44.1	44.6	45.6	46.0	46
GE 5000	3.8	42.5	44.8	49.5	51.8	52.3	53.6	54.0	54
GE 4500	4.4	46.2	48.7	53.4	55.7	56.2	57.5	57.9	58
GE 4000	4.5	51.8	54.2	59.1	61.4	61.9	63.2	63.6	63
GE 3500	4.6	53.8	56.2	61.4	63.8	64.3	65.6	66.0	66
GE 3000	5.6	59.3	62.0	67.8	70.2	70.7	72.0	72.5	72
GE 2500	6.8	62.5	65.1	70.9	73.4	73.8	75.2	75.7	76
GE 2000	8.1	67.7	70.8	77.2	79.9	80.4	81.7	82.2	82
GE 1800	8.4	68.8	72.2	78.6	81.2	81.7	83.1	83.5	84
GE 1500	9.1	71.8	75.4	82.6	85.4	85.8	87.4	88.0	88
GE 1200	9.7	74.6	78.6	86.7	89.6	90.4	92.3	92.9	93
GE 1000	9.7	75.7	79.7	88.3	91.4	92.3	94.1	94.7	95
GE 900	9.7	76.4	80.4	89.3	92.5	93.3	95.2	96.0	96
GE 800	9.7	76.4	80.5	89.6	92.7	93.6	95.4	96.2	97
GE 700	9.7	76.5	80.8	89.8	93.0	93.8	95.6	96.5	97
GE 600	9.7	76.6	80.9	90.1	93.2	94.1	95.9	97.0	97
GE 500	9.7	76.9	81.1	90.3	93.5	94.3	96.2	97.5	98
GE 400	9.7	77.0	81.2	90.4	93.6	94.4	96.4	97.8	98
GE 300	9.7	77.0	81.2	90.4	93.7	94.6	96.5	97.9	98
GE 200	9.7	77.0	81.2	90.4	93.7	94.6	96.5	97.9	98
GE 100	9.7	77.0	81.2	90.4	93.7	94.6	96.5	97.9	99
GE 0	9.7	77.0	81.2	90.4	93.7	94.6	96.5	97.9	99

TOTAL NUMBER OF OBSERVATIONS: 826

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

IRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): 0900-1100

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
28.8	29.8	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
34.1	35.1	35.5	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8
34.1	35.1	35.5	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8
34.1	35.1	35.5	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8
35.0	36.0	36.3	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7
35.7	36.7	37.0	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4
38.9	39.8	40.2	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6
39.3	40.3	40.7	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2
41.9	43.0	43.3	43.7	43.8	43.8	43.9	43.9	43.9	43.9	43.9
43.1	44.2	44.6	44.9	45.2	45.2	45.3	45.3	45.3	45.3	45.3
44.6	45.6	46.0	46.4	46.6	46.6	46.7	46.7	46.7	46.7	46.7
52.3	53.6	54.0	54.4	54.6	54.6	54.7	54.7	54.7	54.7	54.7
56.2	57.5	57.9	58.2	58.5	58.5	58.6	58.6	58.6	58.6	58.6
61.9	63.2	63.6	63.9	64.3	64.3	64.4	64.4	64.4	64.4	64.4
64.3	65.6	66.0	66.3	66.7	66.7	66.8	66.8	66.8	66.8	66.8
70.7	72.0	72.5	72.9	73.2	73.2	73.4	73.4	73.4	73.4	73.4
73.8	75.2	75.7	76.0	76.4	76.4	76.5	76.5	76.5	76.5	76.5
80.4	81.7	82.2	82.7	83.1	83.1	83.2	83.2	83.2	83.2	83.2
81.7	83.1	83.5	84.0	84.5	84.5	84.6	84.6	84.6	84.6	84.6
85.8	87.4	88.0	88.5	89.0	89.0	89.1	89.1	89.1	89.1	89.1
90.4	92.3	92.9	93.3	93.8	93.8	93.9	93.9	93.9	93.9	93.9
92.3	94.1	94.7	95.2	95.6	95.6	95.8	95.8	95.8	95.8	95.8
93.3	95.2	96.0	96.7	97.2	97.2	97.3	97.3	97.3	97.3	97.3
93.6	95.4	96.2	97.0	97.5	97.5	97.6	97.6	97.6	97.6	97.6
93.8	95.6	96.5	97.2	97.7	97.7	97.8	97.8	97.8	97.8	97.8
94.1	95.9	97.0	97.8	98.3	98.3	98.4	98.4	98.4	98.4	98.4
94.3	96.2	97.5	98.3	98.8	98.8	98.9	98.9	98.9	98.9	98.9
94.4	96.4	97.8	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3
94.6	96.5	97.9	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5
94.6	96.5	97.9	98.9	99.4	99.4	99.5	99.5	99.9	99.9	99.9
94.6	96.5	97.9	99.0	99.5	99.5	99.6	99.6	100.0	100.0	100.0
94.6	96.5	97.9	99.0	99.5	99.5	99.6	99.6	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRE
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
							VISIBILITY IN H	
NO CEIL	2.2	25.7	26.1	26.7	27.2	27.2	27.2	27.2
GE 20000	2.9	33.0	33.5	34.3	35.0	35.1	35.1	35.1
GE 18000	2.9	33.3	33.8	34.5	35.3	35.4	35.4	35.4
GE 16000	2.9	33.3	33.8	34.5	35.3	35.4	35.4	35.4
GE 14000	3.3	33.9	34.4	35.1	35.9	36.0	36.0	36.0
GE 12000	3.4	35.7	36.2	37.2	37.9	38.1	38.1	38.1
GE 10000	3.9	39.5	40.4	41.4	42.4	42.5	42.5	42.5
GE 9000	3.9	39.9	40.8	41.7	42.7	42.8	42.8	42.8
GE 8000	3.9	42.8	43.7	44.7	45.8	45.9	45.9	45.9
GE 7000	4.0	43.2	44.1	45.0	46.1	46.3	46.3	46.3
GE 6000	4.4	44.7	45.5	46.6	47.7	47.9	47.9	47.9
GE 5000	5.5	51.4	52.3	53.6	54.7	54.8	54.8	54.8
GE 4500	5.6	56.2	57.3	58.9	60.0	60.1	60.1	60.1
GE 4000	6.2	62.4	63.5	65.2	66.3	66.5	66.5	66.5
GE 3500	6.7	68.8	70.0	71.8	72.9	73.1	73.1	73.1
GE 3000	8.7	78.8	80.0	82.7	83.8	84.0	84.1	84.1
GE 2500	9.3	81.9	83.1	85.8	86.9	87.0	87.1	87.1
GE 2000	10.5	86.0	87.3	90.5	91.6	91.7	92.0	92.0
GE 1800	11.0	87.1	88.4	91.7	92.8	92.9	93.3	93.3
GE 1500	11.4	89.4	90.6	94.1	95.3	95.5	95.8	95.8
GE 1200	11.8	90.7	91.9	95.7	96.9	97.1	97.6	97.6
GE 1000	11.8	91.2	92.7	96.6	97.9	98.0	98.5	98.5
GE 900	11.8	91.2	92.7	96.6	97.9	98.0	98.7	98.7
GE 800	11.8	91.3	93.1	97.1	98.5	98.7	99.3	99.3
GE 700	12.0	91.6	93.4	97.6	99.0	99.1	99.8	99.8
GE 600	12.1	91.7	93.5	97.7	99.1	99.3	99.9	99.9
GE 500	12.1	91.7	93.5	97.7	99.1	99.3	99.9	99.9
GE 400	12.1	91.7	93.5	97.7	99.1	99.3	99.9	99.9
GE 300	12.1	91.7	93.5	97.7	99.1	99.3	99.9	99.9
GE 200	12.1	91.7	93.5	97.7	99.1	99.3	99.9	99.9
GE 100	12.1	91.7	93.5	97.7	99.1	99.3	99.9	99.9
GE 0	12.1	91.7	93.5	97.7	99.1	99.3	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 817

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): 1200-1400

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3
92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUNDRE GE 32	GE 24	GE 20
NO CEIL	2.6	31.3	31.8	32.4	32.8	32.8	32.8	32.8	32.8
GE 20000	4.8	40.2	40.8	41.4	41.8	41.8	41.8	41.8	41.8
GE 18000	4.8	40.2	40.8	41.4	41.8	41.8	41.8	41.8	41.8
GE 16000	4.8	40.2	40.8	41.4	41.8	41.8	41.8	41.8	41.8
GE 14000	5.0	41.1	41.7	42.3	42.7	42.7	42.7	42.7	42.7
GE 12000	5.6	42.4	43.0	43.6	44.0	44.0	44.0	44.0	44.0
GE 10000	6.0	46.8	47.4	48.2	48.5	48.5	48.5	48.5	48.5
GE 9000	6.1	47.8	48.4	49.1	49.5	49.5	49.5	49.5	49.5
GE 8000	6.1	51.1	51.7	52.6	52.9	52.9	52.9	52.9	52.9
GE 7000	6.2	51.7	52.3	53.2	53.5	53.5	53.5	53.5	53.5
GE 6000	7.0	53.8	54.6	55.5	55.9	55.9	55.9	55.9	55.9
GE 5000	8.1	61.9	62.7	63.6	64.1	64.1	64.1	64.1	64.1
GE 4500	8.4	66.9	67.7	68.8	69.3	69.3	69.3	69.3	69.3
GE 4000	8.8	75.8	76.8	77.9	78.4	78.4	78.4	78.4	78.4
GE 3500	9.5	79.0	80.2	81.3	81.8	81.8	81.8	81.8	81.8
GE 3000	11.0	85.8	87.2	88.5	89.0	89.0	89.0	89.0	89.0
GE 2500	11.2	87.2	88.5	90.0	90.7	90.7	90.7	90.7	90.7
GE 2000	11.6	90.1	91.4	93.0	94.1	94.1	94.3	94.3	94.3
GE 1800	11.7	91.0	92.3	94.0	95.1	95.1	95.2	95.2	95.2
GE 1500	12.1	92.8	94.5	96.8	97.9	97.9	98.3	98.3	98.3
GE 1200	12.2	93.2	94.9	97.2	98.3	98.3	98.7	98.7	98.7
GE 1000	12.2	93.2	94.9	97.2	98.3	98.3	98.7	98.7	98.7
GE 900	12.2	93.4	95.2	97.6	98.7	98.7	99.0	99.0	99.0
GE 800	12.2	93.4	95.2	97.6	98.7	98.7	99.0	99.0	99.0
GE 700	12.2	93.5	95.4	98.0	99.1	99.1	99.5	99.5	99.5
GE 600	12.2	93.5	95.4	98.0	99.1	99.1	99.5	99.5	99.5
GE 500	12.2	93.5	95.4	98.0	99.1	99.1	99.5	99.5	99.5
GE 400	12.2	93.5	95.4	98.0	99.1	99.1	99.5	99.5	99.5
GE 300	12.2	93.5	95.4	98.0	99.1	99.1	99.5	99.5	99.5
GE 200	12.2	93.5	95.4	98.0	99.1	99.1	99.5	99.5	99.5
GE 100	12.2	93.5	95.4	98.0	99.1	99.1	99.5	99.5	99.5
GE 0	12.2	93.5	95.4	98.0	99.1	99.1	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 818

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

LRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS (EST): 1500-1700

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
95.1	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
97.9	98.3	98.3	98.3	98.4	98.5	98.5	98.5	98.7	98.7	98.7
98.3	98.7	98.7	98.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0
98.3	98.7	98.7	98.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0
98.7	99.0	99.0	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4
98.7	99.0	99.0	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4
99.1	99.5	99.5	99.5	99.6	99.8	99.8	99.9	100.0	100.0	100.0
99.1	99.5	99.5	99.5	99.6	99.8	99.8	99.9	100.0	100.0	100.0
99.1	99.5	99.5	99.5	99.6	99.8	99.8	99.9	100.0	100.0	100.0
99.1	99.5	99.5	99.5	99.6	99.8	99.8	99.9	100.0	100.0	100.0
99.1	99.5	99.5	99.5	99.6	99.8	99.8	99.9	100.0	100.0	100.0
99.1	99.5	99.5	99.5	99.6	99.8	99.8	99.9	100.0	100.0	100.0
99.1	99.5	99.5	99.5	99.6	99.8	99.8	99.9	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	.6	40.4	40.9	41.3	41.6	41.6	42.1	42.1	42.
GE 20000	.9	44.9	45.4	45.8	46.1	46.1	46.6	46.6	46.
GE 18000	.9	45.8	46.3	46.7	47.0	47.0	47.5	47.5	47.
GE 16000	.9	45.8	46.3	46.7	47.0	47.0	47.5	47.5	47.
GE 14000	.9	46.6	47.0	47.5	47.8	47.8	48.2	48.2	48.
GE 12000	1.2	47.5	47.9	48.4	48.7	48.7	49.1	49.1	49.
GE 10000	1.2	51.2	51.6	52.1	52.8	52.8	53.3	53.3	53.
GE 9000	1.2	53.1	53.6	54.0	54.8	54.8	55.2	55.5	55.
GE 8000	1.2	58.2	58.7	59.1	59.9	59.9	60.3	60.6	60.
GE 7000	1.2	58.7	59.1	59.6	60.3	60.3	60.7	61.0	61.
GE 6000	1.2	60.3	60.9	61.3	62.1	62.1	62.5	62.8	62.
GE 5000	1.3	67.2	67.9	68.7	69.7	69.7	70.1	70.4	70.
GE 4500	1.5	73.9	74.6	76.0	77.0	77.0	77.5	77.8	77.
GE 4000	1.8	79.1	80.0	81.6	82.7	82.7	83.1	83.4	83.
GE 3500	1.8	81.0	81.9	83.7	84.8	84.8	85.2	85.5	85.
GE 3000	1.8	83.6	84.5	86.3	87.5	87.5	88.1	88.4	88.
GE 2500	2.1	85.2	86.4	88.2	89.4	89.4	90.0	90.3	90.
GE 2000	2.1	88.2	89.4	91.2	92.4	92.4	93.0	93.3	93.
GE 1800	2.2	89.7	90.9	92.7	93.9	93.9	94.5	94.8	94.
GE 1500	2.2	91.2	92.5	94.5	95.7	95.7	96.3	96.6	96.
GE 1200	2.2	92.2	93.7	95.8	97.2	97.2	98.1	98.4	98.
GE 1000	2.2	92.2	93.7	95.8	97.2	97.2	98.1	98.4	98.
GE 900	2.2	92.5	94.0	96.3	97.6	97.6	98.5	98.8	99.
GE 800	2.2	92.8	94.3	96.6	97.9	97.9	98.8	99.1	99.
GE 700	2.2	93.0	94.6	96.9	98.2	98.2	99.1	99.4	99.
GE 600	2.2	93.0	94.6	96.9	98.2	98.2	99.1	99.4	99.
GE 500	2.2	93.0	94.6	96.9	98.2	98.2	99.1	99.4	99.
GE 400	2.2	93.0	94.8	97.2	98.5	98.5	99.4	99.7	99.
GE 300	2.2	93.0	94.8	97.2	98.5	98.5	99.4	99.7	99.
GE 200	2.2	93.0	94.8	97.2	98.5	98.5	99.4	99.7	99.
GE 100	2.2	93.0	94.8	97.2	98.5	98.5	99.4	99.7	99.
GE 0	2.2	93.0	94.8	97.2	98.5	98.5	99.4	99.7	99.

TOTAL NUMBER OF OBSERVATIONS: 670

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): 1800-2000

CE	VISIBILITY IN HUNDREDS OF METERS GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
4C	32	24	20	16	12	10	8	5	4	0
1.6	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
6.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
7.0	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
7.0	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
7.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
8.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
2.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
4.8	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
9.9	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
0.3	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
2.1	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
9.7	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
7.0	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
2.7	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
4.8	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
7.5	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
9.4	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2.4	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
3.9	94.5	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
5.7	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
7.2	98.1	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
7.2	98.1	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
7.6	98.5	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
7.9	98.8	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
8.2	99.1	99.	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
8.2	99.1	99.	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
8.2	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
8.5	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
8.5	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
8.5	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
8.5	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
8.5	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	2.3	49.0	49.8	51.1	52.0	52.6	52.7	52.9	52
GE 20000	3.1	52.3	53.0	54.6	55.6	56.4	56.5	56.7	56
GE 18000	3.1	52.6	53.3	54.9	55.9	56.7	56.8	57.0	57
GE 16000	3.1	52.6	53.3	54.9	55.9	56.7	56.8	57.0	57
GE 14000	3.1	53.0	53.7	55.3	56.4	57.1	57.2	57.4	57
GE 12000	3.2	53.9	54.6	56.2	57.4	58.1	58.3	58.4	58
GE 10000	3.4	55.5	56.2	57.8	59.2	59.9	60.0	60.2	60
GE 9000	3.4	56.4	57.1	58.7	60.5	61.2	61.3	61.5	61
GE 8000	3.5	60.8	61.5	63.1	64.9	65.6	65.7	66.0	66
GE 7000	3.5	61.5	62.2	63.8	65.6	66.3	66.5	66.8	66
GE 6000	3.5	63.0	63.7	65.4	67.2	67.9	68.1	68.4	68
GE 5000	3.8	67.9	68.7	70.7	72.5	73.2	73.4	73.6	73
GE 4500	3.8	70.7	71.4	73.6	75.4	76.1	76.4	76.7	76
GE 4000	4.0	73.5	74.2	76.4	78.2	78.9	79.2	79.5	79
GE 3500	4.0	76.3	77.0	79.4	81.3	82.0	82.3	82.6	82
GE 3000	4.2	80.2	81.4	83.9	86.1	86.8	87.1	87.4	87
GE 2500	4.2	81.0	82.1	84.6	86.8	87.6	87.8	88.1	88
GE 2000	4.7	83.6	84.9	87.4	89.6	90.3	90.6	90.9	90
GE 1800	4.7	84.0	85.4	87.8	90.0	90.8	91.1	91.4	91
GE 1500	4.7	86.4	87.7	90.8	93.0	93.7	94.0	94.3	94
GE 1200	4.8	87.3	89.0	92.4	94.6	95.3	95.6	95.9	95
GE 1000	5.0	88.6	90.3	93.7	95.9	96.6	96.9	97.5	97
GE 900	5.0	88.6	90.3	93.7	95.9	96.6	96.9	97.5	97
GE 800	5.0	89.2	90.9	94.3	96.5	97.2	97.5	98.1	98
GE 700	5.0	89.2	90.9	94.3	96.6	97.4	97.7	98.2	98
GE 600	5.1	89.5	91.2	94.7	97.1	97.8	98.1	98.7	98
GE 500	5.1	89.9	91.9	95.5	97.8	98.5	98.8	99.4	99
GE 400	5.1	90.0	92.1	95.8	98.1	98.8	99.1	99.7	99
GE 300	5.1	90.0	92.1	95.8	98.1	98.8	99.1	99.7	99
GE 200	5.1	90.0	92.1	95.8	98.1	98.8	99.1	99.7	99
GE 100	5.1	90.0	92.1	95.8	98.1	98.8	99.1	99.7	99
GE 0	5.1	90.0	92.1	95.8	98.1	98.8	99.1	99.7	99

TOTAL NUMBER OF OBSERVATIONS: 683

E FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FAIRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS (LST): 2100-2300

	VISIBILITY IN HUNDREDS OF METERS										
C	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
52	52.6	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0
56	56.4	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8
57	56.7	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1
57	56.7	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1
57	57.1	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5
58	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.6	58.6
60	59.9	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3
61	61.2	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6
66	65.6	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.2	66.2
66	66.3	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9
68	67.9	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5
73	73.2	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.8	73.8
76	76.1	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.9	76.9
79	78.9	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6
82	82.0	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7
87	86.8	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.6
88	87.6	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.3	88.3
90	90.3	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.1	91.1
91	90.8	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5
94	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4
95	95.3	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0
97	96.6	96.9	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.8	97.8
97	96.6	96.9	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.8	97.8
98	97.2	97.5	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.4	98.4
98	97.4	97.7	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.5	98.5
98	97.8	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	99.0	99.0
99	98.5	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7
99	98.8	99.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
99	98.8	99.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
99	98.8	99.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
99	98.8	99.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
99	98.8	99.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRED								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	2.6	32.8	33.6	35.0	35.9	36.2	36.8	37.1	37.3
GE 20000	3.4	37.7	38.7	40.3	41.4	41.8	42.5	42.9	43.1
GE 18000	3.4	37.8	38.9	40.5	41.6	42.0	42.7	43.1	43.3
GE 16000	3.4	37.8	38.9	40.5	41.6	42.0	42.7	43.1	43.3
GE 14000	3.5	38.3	39.3	41.0	42.1	42.5	43.2	43.6	43.8
GE 12000	3.7	39.2	40.2	41.9	43.1	43.5	44.2	44.5	44.8
GE 10000	4.1	42.0	43.1	45.1	46.4	46.8	47.6	47.9	48.2
GE 9000	4.1	42.7	43.8	45.8	47.1	47.6	48.3	48.7	49.0
GE 8000	4.2	45.8	46.9	49.2	50.6	51.1	51.9	52.3	52.5
GE 7000	4.2	46.4	47.6	49.9	51.4	51.8	52.6	53.0	53.3
GE 6000	4.5	47.9	49.2	51.7	53.2	53.6	54.5	54.9	55.2
GE 5000	5.0	53.4	54.9	57.8	59.6	60.1	61.2	61.6	61.9
GE 4500	5.2	57.1	58.7	61.9	63.7	64.2	65.4	65.8	66.1
GE 4000	5.5	61.7	63.4	66.8	68.6	69.1	70.3	70.7	71.1
GE 3500	5.7	64.5	66.2	69.8	71.7	72.2	73.4	73.8	74.2
GE 3000	6.4	69.4	71.3	75.1	77.1	77.7	78.9	79.4	79.8
GE 2500	6.7	71.2	73.2	77.1	79.1	79.7	81.0	81.5	81.8
GE 2000	7.3	74.8	77.0	81.1	83.3	83.9	85.2	85.7	86.1
GE 1800	7.5	75.7	77.9	82.1	84.3	84.9	86.2	86.7	87.1
GE 1500	7.7	77.9	80.3	84.9	87.1	87.8	89.1	89.7	90.1
GE 1200	8.1	79.5	82.0	87.0	89.4	90.0	91.5	92.1	92.6
GE 1000	8.2	80.5	83.1	88.3	90.7	91.4	92.9	93.6	94.1
GE 900	8.3	81.0	83.6	88.9	91.4	92.0	93.5	94.3	94.8
GE 800	8.3	81.3	84.0	89.4	91.9	92.6	94.2	95.1	95.5
GE 700	8.3	81.6	84.3	89.9	92.5	93.2	94.8	95.7	96.2
GE 600	8.4	81.7	84.5	90.2	92.7	93.5	95.2	96.1	96.6
GE 500	8.4	81.9	84.7	90.5	93.2	93.9	95.7	96.6	97.2
GE 400	8.4	82.0	84.8	90.7	93.4	94.2	96.0	97.0	97.6
GE 300	8.4	82.0	84.8	90.7	93.5	94.2	96.1	97.1	97.7
GE 200	8.4	82.0	84.8	90.7	93.5	94.2	96.1	97.1	97.7
GE 100	8.4	82.0	84.8	90.7	93.5	94.2	96.1	97.1	97.7
GE 0	8.4	82.0	84.8	90.7	93.5	94.2	96.1	97.1	97.7

TOTAL NUMBER OF OBSERVATIONS: 6153

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FAIRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: APR HOURS(LST): ALL

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
36.2	36.8	37.1	37.3	37.4	37.4	37.5	37.6	37.6	37.7	37.9
41.8	42.5	42.9	43.1	43.3	43.3	43.4	43.4	43.5	43.6	43.8
42.0	42.7	43.1	43.3	43.5	43.5	43.6	43.6	43.7	43.8	44.0
42.0	42.7	43.1	43.3	43.5	43.5	43.6	43.6	43.7	43.8	44.0
42.5	43.2	43.6	43.8	44.0	44.0	44.1	44.2	44.2	44.3	44.6
43.5	44.2	44.5	44.8	45.0	45.0	45.1	45.1	45.2	45.3	45.5
46.8	47.6	47.9	48.2	48.4	48.4	48.5	48.6	48.7	48.8	49.0
47.6	48.3	48.7	49.0	49.2	49.2	49.3	49.4	49.5	49.6	49.8
51.1	51.9	52.3	52.5	52.8	52.9	53.0	53.1	53.1	53.3	53.6
51.8	52.6	53.0	53.3	53.6	53.6	53.8	53.8	53.9	54.1	54.3
53.6	54.5	54.9	55.2	55.5	55.6	55.7	55.7	55.8	56.0	56.2
60.1	61.2	61.6	61.9	62.2	62.3	62.4	62.5	62.6	62.8	63.0
64.2	65.4	65.8	66.1	66.5	66.5	66.7	66.7	66.8	67.0	67.3
69.1	70.3	70.7	71.1	71.4	71.5	71.6	71.7	71.8	72.0	72.2
72.2	73.4	73.8	74.2	74.6	74.6	74.8	74.8	74.9	75.1	75.4
77.7	78.9	79.4	79.8	80.2	80.3	80.4	80.5	80.5	80.7	81.0
79.7	81.0	81.5	81.8	82.3	82.3	82.5	82.5	82.6	82.8	83.1
83.9	85.2	85.7	86.1	86.6	86.6	86.8	86.8	86.9	87.1	87.4
84.9	86.2	86.7	87.1	87.6	87.7	87.8	87.9	88.0	88.2	88.4
87.8	89.1	89.7	90.1	90.6	90.7	90.9	90.9	91.1	91.3	91.5
90.0	91.5	92.1	92.6	93.1	93.2	93.4	93.4	93.6	93.8	94.0
91.4	92.9	93.6	94.1	94.7	94.8	95.0	95.0	95.2	95.4	95.7
92.0	93.5	94.3	94.8	95.4	95.6	95.8	95.8	96.0	96.2	96.4
92.6	94.2	95.1	95.5	96.2	96.3	96.5	96.5	96.7	96.9	97.2
93.2	94.8	95.7	96.2	96.8	96.9	97.1	97.2	97.4	97.6	97.8
93.5	95.2	96.1	96.6	97.2	97.4	97.5	97.6	97.8	98.0	98.3
93.9	95.7	96.6	97.2	97.8	97.9	98.1	98.2	98.4	98.6	98.8
94.2	96.0	97.0	97.6	98.2	98.3	98.5	98.6	98.8	99.0	99.2
94.2	96.1	97.1	97.7	98.4	98.5	98.7	98.8	99.0	99.2	99.5
94.2	96.1	97.1	97.7	98.4	98.5	98.7	98.8	99.1	99.3	99.8
94.2	96.1	97.1	97.7	98.5	98.6	98.8	98.9	99.2	99.5	99.9
94.2	96.1	97.1	97.7	98.5	98.6	98.8	98.9	99.2	99.5	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUNDRE GE 32	GE 24	GE 20
NO CEIL	1.4	40.8	41.1	42.6	43.8	44.1	44.5	44.7	44.9
GE 20000	1.7	44.7	45.1	47.0	48.4	48.9	49.3	49.6	49.7
GE 18000	1.7	44.7	45.1	47.0	48.4	48.9	49.3	49.6	49.7
GE 16000	1.7	44.7	45.1	47.0	48.4	48.9	49.3	49.6	49.7
GE 14000	1.7	44.7	45.1	47.0	48.4	48.9	49.3	49.6	49.7
GE 12000	1.7	45.5	45.9	47.8	49.2	49.7	50.1	50.4	50.5
GE 10000	1.7	46.6	47.1	49.2	51.1	51.6	52.0	52.2	52.4
GE 9000	1.7	47.6	48.3	50.4	52.2	52.8	53.2	53.4	53.6
GE 8000	1.7	49.2	49.9	52.0	53.9	54.5	54.9	55.1	55.3
GE 7000	2.1	51.1	51.7	54.1	56.1	56.6	57.0	57.2	57.4
GE 6000	2.2	51.7	52.8	55.1	57.1	57.6	58.0	58.3	58.4
GE 5000	2.4	57.2	58.4	60.9	63.4	63.9	64.6	64.9	65.0
GE 4500	2.4	60.0	61.2	63.8	66.6	67.1	67.8	68.0	68.2
GE 4000	2.4	62.4	63.6	66.4	69.3	69.9	70.7	70.9	71.1
GE 3500	2.4	64.3	65.9	68.8	72.1	72.9	73.7	73.9	74.1
GE 3000	2.6	70.0	71.6	74.7	78.3	79.1	79.9	80.3	80.4
GE 2500	2.8	71.7	73.4	76.7	80.3	81.1	81.8	82.2	82.4
GE 2000	2.8	74.7	76.4	79.9	83.4	84.3	85.1	85.5	85.7
GE 1800	3.2	76.2	77.9	81.3	84.9	85.8	86.6	87.0	87.1
GE 1500	3.3	78.2	79.9	83.3	87.0	87.9	88.8	89.2	89.3
GE 1200	3.6	79.9	81.6	85.1	88.9	89.9	90.8	91.2	91.3
GE 1000	4.2	82.0	83.7	87.4	91.2	92.1	93.0	93.4	93.6
GE 900	4.5	82.4	84.1	87.9	91.7	92.9	93.9	94.3	94.5
GE 800	4.7	83.0	85.0	88.9	92.9	94.2	95.3	95.7	95.8
GE 700	4.7	83.7	85.7	89.7	93.7	95.0	96.1	96.4	96.6
GE 600	4.7	83.8	85.8	89.9	93.8	95.1	96.3	96.7	96.8
GE 500	4.7	84.5	86.4	90.5	94.6	95.9	97.4	97.8	97.9
GE 400	4.7	84.9	86.8	90.9	95.0	96.3	97.8	98.2	98.3
GE 300	4.7	84.9	86.8	90.9	95.0	96.3	97.8	98.2	98.3
GE 200	4.7	84.9	86.8	90.9	95.0	96.3	97.8	98.2	98.3
GE 100	4.7	85.0	87.0	91.1	95.1	96.4	97.9	98.3	98.4
GE 0	4.7	85.0	87.0	91.1	95.1	96.4	97.9	98.3	98.4

TOTAL NUMBER OF OBSERVATIONS: 760

EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): 0000-0200

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
.1	44.5	44.7	44.9	45.0	45.0	45.3	45.3	45.3	45.8	45.9
.9	49.3	49.6	49.7	49.9	49.9	50.1	50.1	50.1	50.7	50.8
.9	49.3	49.6	49.7	49.9	49.9	50.1	50.1	50.1	50.7	50.8
.9	49.3	49.6	49.7	49.9	49.9	50.1	50.1	50.1	50.7	50.8
.9	49.3	49.6	49.7	49.9	49.9	50.1	50.1	50.1	50.7	50.8
.7	50.1	50.4	50.5	50.7	50.7	50.9	50.9	50.9	51.4	51.6
.6	52.0	52.2	52.4	52.6	52.6	52.9	52.9	52.9	53.4	53.6
.8	53.2	53.4	53.6	53.8	53.8	54.1	54.1	54.1	54.6	54.7
.5	54.9	55.1	55.3	55.5	55.5	55.8	55.8	55.8	56.3	56.4
.6	57.0	57.2	57.4	57.6	57.6	57.9	57.9	57.9	58.4	58.6
.6	58.0	58.3	58.4	58.7	58.7	58.9	58.9	58.9	59.5	59.6
.9	64.6	64.9	65.0	65.3	65.3	65.5	65.5	65.5	66.1	66.2
.1	67.8	68.0	68.2	68.4	68.4	68.7	68.7	68.7	69.2	69.3
.9	70.7	70.9	71.1	71.3	71.3	71.6	71.6	71.6	72.1	72.2
.9	73.7	73.9	74.1	74.3	74.3	74.6	74.6	74.7	75.3	75.4
.1	79.9	80.3	80.4	80.7	80.7	80.9	80.9	81.1	81.6	81.7
.1	81.8	82.2	82.4	82.6	82.6	82.9	82.9	83.0	83.6	83.7
.3	85.1	85.5	85.7	85.9	85.9	86.2	86.2	86.3	86.8	87.0
.8	86.6	87.0	87.1	87.4	87.4	87.6	87.6	87.8	88.3	88.4
.9	88.8	89.2	89.3	89.6	89.6	89.9	89.9	90.0	90.5	90.7
.9	90.8	91.2	91.3	91.6	91.6	91.8	91.8	92.0	92.5	92.6
.1	93.0	93.4	93.6	93.8	93.8	94.1	94.1	94.2	94.7	94.9
.9	93.9	94.3	94.5	94.7	94.7	95.0	95.0	95.1	95.7	95.8
.2	95.3	95.7	95.8	96.1	96.1	96.3	96.3	96.4	97.0	97.1
.0	96.1	96.4	96.6	96.8	96.8	97.1	97.1	97.2	97.8	97.9
.1	96.3	96.7	96.8	97.1	97.1	97.4	97.4	97.5	98.0	98.2
.9	97.4	97.8	97.9	98.3	98.3	98.6	98.6	98.7	99.2	99.3
.3	97.8	98.2	98.3	98.7	98.7	98.9	98.9	99.1	99.6	99.7
.3	97.8	98.2	98.3	98.7	98.7	98.9	98.9	99.1	99.6	99.7
.3	97.8	98.2	98.3	98.7	98.7	98.9	98.9	99.1	99.6	99.7
.4	97.9	98.3	98.4	98.8	98.8	99.1	99.1	99.2	99.7	99.9
.4	97.9	98.3	98.4	98.8	98.8	99.1	99.1	99.2	99.7	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	.7	23.3	24.9	27.7	29.8	30.2	31.7	32.3	32.
GE 20000	1.6	27.4	29.1	32.6	34.9	35.5	36.9	38.0	38.
GE 18000	1.6	27.5	29.2	32.7	35.1	35.6	37.0	38.1	38.
GE 16000	1.6	27.5	29.2	32.7	35.1	35.6	37.0	38.1	38.
GE 14000	1.7	27.6	29.3	33.1	35.6	36.1	37.6	38.6	39.
GE 12000	1.7	28.0	29.8	33.6	36.1	36.6	38.1	39.1	39.
GE 10000	1.7	30.6	33.1	37.2	39.9	40.6	42.0	43.2	43.
GE 9000	1.7	30.9	33.6	37.7	40.4	41.2	42.7	43.8	44.
GE 8000	1.7	32.5	35.3	39.8	42.5	43.3	44.9	46.1	46.
GE 7000	1.7	33.1	36.0	40.6	43.3	44.4	45.9	47.1	47.
GE 6000	1.7	33.8	36.8	41.5	44.2	45.3	46.9	48.0	48.
GE 5000	1.8	37.8	40.8	45.9	49.2	50.3	52.4	53.8	54.
GE 4500	2.0	41.2	44.4	49.6	52.9	53.9	56.2	57.7	58.
GE 4000	2.1	44.5	48.0	53.7	57.1	58.1	60.6	62.2	62.
GE 3500	2.1	46.1	49.6	55.4	58.9	60.1	62.6	64.3	65.
GE 3000	2.1	50.3	53.9	59.9	63.6	64.8	67.7	69.5	70.
GE 2500	2.4	52.2	55.9	62.6	66.2	67.4	70.3	72.3	73.
GE 2000	2.5	55.4	59.0	65.8	69.8	71.1	74.0	75.9	76.
GE 1800	2.6	56.7	60.3	67.4	71.3	72.6	75.5	77.5	78.
GE 1500	2.7	58.8	62.6	69.6	73.7	75.0	78.0	80.0	80.
GE 1200	2.9	59.9	63.9	71.1	75.3	76.7	79.7	81.8	82.
GE 1000	3.0	61.5	66.1	73.4	77.9	79.3	82.5	84.7	85.
GE 900	3.0	61.6	66.5	74.1	78.5	80.1	83.5	85.7	86.
GE 800	3.0	62.4	67.4	75.0	79.5	81.2	84.6	86.9	87.
GE 700	3.3	63.5	68.5	76.7	81.5	83.2	86.9	89.4	90.
GE 600	3.3	63.7	68.7	77.2	82.1	83.9	87.7	90.2	91.
GE 500	3.3	64.4	69.5	78.1	83.2	85.3	89.7	92.1	92.
GE 400	3.3	64.4	69.5	78.3	83.4	85.5	89.9	92.4	93.
GE 300	3.3	64.4	69.5	78.3	83.4	85.5	90.1	92.5	93.
GE 200	3.3	64.4	69.5	78.3	83.4	85.5	90.1	92.5	93.
GE 100	3.3	64.4	69.5	78.3	83.4	85.5	90.1	92.5	93.
GE 0	3.3	64.4	69.5	78.3	83.4	85.5	90.1	92.5	93.

TOTAL NUMBER OF OBSERVATIONS: 764

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): 0300-0500

C	VISIBILITY IN HUNDREDS OF METERS GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
2	31.7	32.3	32.9	33.6	33.8	34.3	34.3	34.6	35.3	36.3
5	36.9	38.0	38.5	39.4	39.5	40.1	40.1	40.3	41.1	42.0
6	37.0	38.1	38.6	39.5	39.7	40.2	40.2	40.4	41.2	42.1
8	37.0	38.1	38.6	39.5	39.7	40.2	40.2	40.4	41.2	42.1
1	37.6	38.6	39.1	40.1	40.2	40.7	40.7	41.0	41.8	42.7
6	38.1	39.1	39.7	40.6	40.7	41.2	41.2	41.5	42.3	43.2
6	42.0	43.2	43.7	44.8	44.9	45.4	45.4	45.7	46.5	47.4
2	42.7	43.8	44.4	45.4	45.7	46.2	46.2	46.5	47.3	48.2
3	44.9	46.1	46.6	47.6	47.9	48.4	48.4	48.7	49.5	50.4
4	45.9	47.1	47.6	48.7	49.0	49.5	49.5	49.7	50.5	51.4
3	46.9	48.0	48.6	49.6	49.9	50.4	50.4	50.7	51.4	52.4
3	52.4	53.8	54.5	55.5	55.8	56.4	56.4	56.7	57.5	58.4
9	56.2	57.7	58.4	59.6	59.8	60.5	60.5	60.7	61.5	62.4
1	60.6	62.2	62.8	64.1	64.4	65.1	65.1	65.3	66.1	67.0
1	62.6	64.3	65.1	66.4	66.6	67.3	67.3	67.5	68.3	69.4
8	67.7	69.5	70.3	71.6	71.9	72.5	72.5	72.8	73.6	74.6
4	70.3	72.3	73.0	74.3	74.6	75.3	75.3	75.5	76.3	77.4
1	74.0	75.9	76.7	78.0	78.3	78.9	78.9	79.2	80.0	81.0
6	75.5	77.5	78.3	79.6	79.8	80.5	80.5	80.8	81.5	82.6
0	78.0	80.0	80.8	82.1	82.3	83.0	83.0	83.2	84.0	85.1
7	79.7	81.8	82.6	84.0	84.3	84.9	84.9	85.2	86.0	87.0
3	82.5	84.7	85.5	86.9	87.2	87.8	87.8	88.1	88.9	89.9
1	83.5	85.7	86.5	88.0	88.2	88.9	88.9	89.1	89.9	91.0
2	84.6	86.9	87.7	89.1	89.4	90.1	90.2	90.4	91.2	92.3
2	86.9	89.4	90.2	91.8	92.0	92.7	92.8	93.1	93.8	94.9
9	87.7	90.2	91.0	92.5	92.8	93.5	93.6	93.8	94.6	95.7
3	89.7	92.1	92.9	94.6	94.9	95.5	95.7	95.9	96.7	97.8
5	89.9	92.4	93.2	95.2	95.4	96.1	96.2	96.5	97.3	98.3
5	90.1	92.5	93.3	95.3	95.5	96.2	96.3	96.7	97.5	98.6
5	90.1	92.5	93.5	95.4	95.7	96.3	96.6	97.0	97.8	98.8
5	90.1	92.5	93.5	95.4	95.7	96.3	96.6	97.0	97.8	99.6
5	90.1	92.5	93.5	95.4	95.7	96.3	96.6	97.0	97.8	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM HOURLY OE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUN GE 32	GE 24	
NC CEIL	.7	17.8	18.9	22.1	23.9	24.4	25.0	25.8	2
GE 20000	2.0	23.2	24.5	28.3	30.9	31.7	32.4	33.5	3
GE 18000	2.0	23.3	24.6	28.4	31.1	31.8	32.5	33.6	3
GE 16000	2.0	23.3	24.6	28.4	31.1	31.8	32.5	33.6	3
GE 14000	2.2	23.5	24.9	28.7	31.4	32.1	32.9	33.9	3
GE 12000	2.4	24.5	25.9	29.7	32.5	33.2	34.1	35.1	3
GE 10000	2.9	26.9	28.4	32.7	35.5	36.3	37.2	38.4	3
GE 9000	2.9	27.2	28.8	33.2	36.1	36.9	37.8	38.9	3
GE 8000	3.1	29.9	31.4	36.4	39.7	40.5	41.5	42.8	4
GE 7000	3.2	30.8	32.4	38.7	41.9	42.8	43.7	45.0	4
GE 6000	3.2	31.7	33.2	39.5	42.8	43.6	44.6	46.0	4
GE 5000	3.3	36.4	38.1	45.2	48.5	49.6	50.8	52.3	5
GE 4500	3.8	39.1	40.9	48.0	51.5	52.6	54.0	55.6	5
GE 4000	3.9	42.5	44.3	51.5	55.3	56.4	57.9	59.5	6
GE 3500	3.9	43.5	45.4	52.6	56.4	57.5	59.3	60.8	6
GE 3000	3.9	48.3	50.5	58.3	62.6	63.7	66.1	67.6	6
GE 2500	4.1	49.5	51.7	59.7	64.0	65.2	67.9	69.7	7
GE 2000	4.2	52.6	55.0	63.2	67.5	68.7	71.3	73.1	7
GE 1800	4.4	53.3	55.7	64.3	68.6	69.8	72.4	74.2	7
GE 1500	5.0	55.9	58.7	68.0	72.4	73.6	76.2	78.1	7
GE 1200	5.6	58.3	61.1	71.0	75.6	76.8	80.0	82.0	8
GE 1000	5.7	59.5	62.6	72.9	78.0	79.3	82.9	84.9	8
GE 900	6.2	60.7	63.8	74.3	79.8	81.1	84.9	87.0	8
GE 800	6.2	60.9	64.4	75.1	80.9	82.2	86.1	88.2	8
GE 700	6.2	61.5	65.1	76.5	82.4	83.8	87.8	90.0	9
GE 600	6.2	61.5	65.1	76.6	83.0	84.5	88.9	91.2	9
GE 500	6.2	61.5	65.1	76.8	83.3	84.7	89.4	91.8	9
GE 400	6.2	61.5	65.1	76.9	83.6	85.1	90.0	92.4	9
GE 300	6.2	61.5	65.1	76.9	83.8	85.2	90.2	92.6	9
GE 200	6.2	61.5	65.1	76.9	83.8	85.2	90.2	92.6	9
GE 100	6.2	61.5	65.1	76.9	83.8	85.2	90.2	92.6	9
GE 0	6.2	61.5	65.1	76.9	83.8	85.2	90.2	92.6	9

TOTAL NUMBER OF OBSERVATIONS: 837

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS (LST): 0600-0800

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
25.0	25.8	26.4	27.1	27.2	27.5	27.6	27.7	28.0	28.3
32.4	33.5	34.2	34.9	35.0	35.2	35.4	35.6	36.0	36.3
32.5	33.6	34.3	35.0	35.1	35.4	35.5	35.7	36.1	36.4
32.5	33.6	34.3	35.0	35.1	35.4	35.5	35.7	36.1	36.4
32.9	33.9	34.6	35.4	35.5	35.7	35.8	36.1	36.4	36.8
34.1	35.1	35.8	36.6	36.7	36.9	37.0	37.3	37.6	38.0
37.2	38.4	39.1	39.9	40.0	40.3	40.4	40.6	41.0	41.3
37.8	38.9	39.7	40.5	40.6	40.9	41.0	41.2	41.6	41.9
41.5	42.8	43.5	44.3	44.4	44.7	44.8	45.0	45.4	45.8
43.7	45.0	45.8	46.6	46.7	47.0	47.1	47.3	47.7	48.0
44.6	46.0	46.7	47.6	47.7	47.9	48.0	48.3	48.6	49.0
50.8	52.3	53.3	54.2	54.4	54.6	54.7	55.0	55.3	55.7
54.0	55.6	56.5	57.5	57.7	57.9	58.1	58.3	58.7	59.0
57.9	59.5	60.6	61.5	61.8	62.0	62.1	62.4	62.7	63.1
59.3	60.8	61.9	62.8	63.1	63.4	63.6	63.8	64.2	64.5
66.1	67.6	68.8	69.8	70.0	70.4	70.5	70.7	71.1	71.4
67.9	69.7	70.8	71.8	72.0	72.4	72.5	72.8	73.1	73.5
71.3	73.1	74.3	75.3	75.5	75.9	76.0	76.2	76.6	76.9
72.4	74.2	75.4	76.3	76.6	76.9	77.1	77.3	77.7	78.0
76.2	78.1	79.3	80.4	80.6	81.0	81.1	81.4	81.7	82.1
80.0	82.0	83.2	84.3	84.6	84.9	85.1	85.3	85.7	86.0
82.9	84.9	86.1	87.3	87.6	87.9	88.1	88.3	88.6	89.0
84.9	87.0	88.2	89.4	89.6	90.0	90.1	90.3	90.7	91.0
86.1	88.2	89.6	90.8	91.0	91.4	91.5	91.8	92.1	92.5
87.8	90.0	91.6	93.0	93.2	93.5	93.7	93.9	94.3	94.6
88.9	91.2	92.8	94.1	94.4	94.7	94.9	95.1	95.5	95.8
89.4	91.8	93.8	95.2	95.5	95.8	95.9	96.3	96.7	97.1
90.0	92.4	94.4	96.3	96.7	97.0	97.1	97.5	97.8	98.3
90.2	92.6	94.7	96.7	97.0	97.5	97.6	98.1	98.6	99.0
90.2	92.6	94.7	96.8	97.3	97.8	98.1	98.7	99.3	99.8
90.2	92.6	94.7	96.8	97.3	97.8	98.1	98.8	99.4	99.9
90.2	92.6	94.7	96.8	97.3	97.8	98.1	98.8	99.4	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRED: GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	1.9	21.2	22.0	23.8	24.8	24.8	25.1	25.1	25.1
GE 20000	3.5	27.0	27.9	30.1	31.4	31.4	31.7	31.7	31.7
GE 18000	3.5	27.0	27.9	30.1	31.4	31.4	31.7	31.7	31.7
GE 16000	3.5	27.0	27.9	30.1	31.4	31.4	31.7	31.7	31.7
GE 14000	3.5	27.2	28.1	30.4	31.7	31.7	31.9	31.9	31.9
GE 12000	3.8	27.9	29.0	31.3	32.6	32.6	32.9	32.9	32.9
GE 10000	4.4	30.6	31.9	34.5	35.9	35.9	36.2	36.2	36.2
GE 9000	4.5	30.7	32.2	35.2	36.6	36.6	36.9	36.9	36.9
GE 8000	4.6	34.0	35.6	39.0	40.8	40.8	41.1	41.3	41.3
GE 7000	4.7	34.8	36.3	39.8	41.6	41.6	42.0	42.1	42.1
GE 6000	5.2	36.5	38.1	41.6	43.4	43.4	43.7	43.9	43.9
GE 5000	6.6	43.4	45.0	48.8	50.8	50.8	51.2	51.3	51.3
GE 4500	7.1	47.0	48.8	52.6	54.7	54.7	55.1	55.2	55.2
GE 4000	7.6	53.3	55.1	59.2	61.3	61.5	62.1	62.2	62.2
GE 3500	7.7	57.1	58.9	63.0	65.1	65.2	65.8	66.0	66.0
GE 3000	8.2	64.4	66.5	71.4	73.6	73.8	74.5	74.6	74.6
GE 2500	8.6	66.9	69.0	74.1	76.4	76.5	77.2	77.3	77.3
GE 2000	9.7	72.3	74.6	79.8	82.2	82.3	83.0	83.2	83.2
GE 1800	10.9	74.0	76.4	81.6	83.9	84.0	84.9	85.2	85.2
GE 1500	11.0	77.0	79.6	85.1	87.7	87.8	88.8	89.2	89.2
GE 1200	11.6	79.9	83.0	89.2	92.1	92.6	93.9	94.3	94.4
GE 1000	11.6	81.2	84.5	91.7	94.7	95.3	96.8	97.3	97.4
GE 900	11.6	81.3	84.6	91.8	94.8	95.4	97.0	97.5	97.6
GE 800	11.6	81.3	84.6	92.2	95.5	96.1	97.8	98.2	98.5
GE 700	11.6	81.3	84.6	92.2	95.5	96.1	98.0	98.5	98.7
GE 600	11.6	81.3	84.6	92.2	95.5	96.2	98.1	98.6	98.9
GE 500	11.6	81.3	84.6	92.2	95.5	96.2	98.2	98.7	99.1
GE 400	11.6	81.3	84.6	92.2	95.7	96.5	98.5	99.2	99.5
GE 300	11.6	81.3	84.6	92.2	95.7	96.5	98.5	99.2	99.6
GE 200	11.6	81.3	84.6	92.2	95.7	96.5	98.5	99.2	99.6
GE 100	11.6	81.3	84.6	92.2	95.7	96.5	98.5	99.2	99.6
GE 0	11.6	81.3	84.6	92.2	95.7	96.5	98.5	99.2	99.6

TOTAL NUMBER OF OBSERVATIONS: 846

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): 0900-1100

	VISIBILITY IN HUNDREDS OF METERS									
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
C	32	24	20	16	12	10	8	5	4	0
.8	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
.4	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
.4	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
.4	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
.7	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
.9	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
.8	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
.6	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
.4	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
.8	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
.7	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
.5	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
.2	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
.8	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
.5	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
.3	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
.0	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
.8	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
.6	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
.3	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
.4	97.0	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
.1	97.8	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
.1	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
.2	98.1	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
.2	98.2	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
.5	98.5	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
.5	98.5	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.5	98.5	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.5	98.5	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.5	98.5	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRED								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	2.2	23.5	23.8	24.7	24.8	24.8	24.8	24.8	24.8
GE 20000	4.4	31.4	31.9	32.9	33.1	33.1	33.1	33.1	33.1
GE 18000	4.4	31.4	31.9	32.9	33.1	33.1	33.1	33.1	33.1
GE 16000	4.4	31.4	31.9	32.9	33.1	33.1	33.1	33.1	33.1
GE 14000	4.4	31.7	32.2	33.3	33.4	33.4	33.4	33.4	33.4
GE 12000	4.8	32.2	32.9	34.1	34.3	34.3	34.3	34.3	34.3
GE 10000	5.4	36.0	36.9	38.3	38.4	38.4	38.4	38.4	38.4
GE 9000	5.4	36.5	37.4	38.9	39.0	39.0	39.0	39.0	39.0
GE 8000	5.4	39.4	40.4	42.0	42.3	42.3	42.5	42.5	42.5
GE 7000	5.6	40.1	41.1	43.0	43.2	43.2	43.5	43.5	43.5
GE 6000	5.9	41.7	42.6	44.6	44.8	44.8	45.0	45.0	45.0
GE 5000	7.3	51.1	52.1	54.0	54.4	54.4	54.6	54.6	54.6
GE 4500	8.0	57.7	58.7	60.7	61.1	61.1	61.3	61.3	61.3
GE 4000	8.3	64.3	65.4	67.8	68.1	68.1	68.4	68.4	68.4
GE 3500	9.3	69.8	70.9	73.5	74.1	74.1	74.4	74.4	74.4
GE 3000	9.2	76.8	78.0	80.6	81.2	81.2	81.4	81.4	81.4
GE 2500	10.1	80.4	81.6	84.2	84.8	84.8	85.0	85.0	85.0
GE 2000	10.8	85.3	86.9	90.3	91.4	91.4	91.6	91.7	91.7
GE 1800	10.9	85.7	87.4	90.9	92.0	92.0	92.2	92.3	92.3
GE 1500	11.0	87.5	89.5	92.9	94.4	94.4	94.6	94.7	94.7
GE 1200	11.5	88.4	90.4	94.1	95.9	96.2	96.6	96.9	96.9
GE 1000	11.5	89.0	91.1	95.1	97.0	97.2	98.2	98.4	98.4
GE 900	11.5	89.0	91.1	95.3	97.2	97.5	98.6	98.8	98.8
GE 800	11.5	89.0	91.1	95.3	97.5	97.8	98.9	99.2	99.3
GE 700	11.5	89.0	91.1	95.4	97.7	98.1	99.3	99.5	99.8
GE 600	11.5	89.0	91.1	95.4	97.7	98.1	99.3	99.5	99.8
GE 500	11.5	89.0	91.1	95.4	97.7	98.1	99.3	99.5	99.8
GE 400	11.5	89.0	91.1	95.4	97.7	98.1	99.3	99.6	99.9
GE 300	11.5	89.0	91.1	95.4	97.7	98.1	99.3	99.6	99.9
GE 200	11.5	89.0	91.1	95.4	97.7	98.1	99.3	99.6	99.9
GE 100	11.5	89.0	91.1	95.4	97.7	98.1	99.3	99.6	99.9
GE 0	11.5	89.0	91.1	95.4	97.7	98.1	99.3	99.6	99.9

TOTAL NUMBER OF OBSERVATIONS: 835

GE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FAIRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): 1200-1400

VISIBILITY IN HUNDREDS OF METERS

GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
96.2	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
97.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
97.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
97.8	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
98.1	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
98.1	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
98.1	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
98.1	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	2.6	25.4	25.8	26.2	26.6	26.6	26.6	26.6	26.
GE 20000	5.3	35.8	36.3	36.7	37.0	37.0	37.0	37.0	37.
GE 18000	5.3	35.8	36.3	36.7	37.0	37.0	37.0	37.0	37.
GE 16000	5.3	35.8	36.3	36.7	37.0	37.0	37.0	37.0	37.
GE 14000	5.3	35.8	36.3	36.7	37.0	37.0	37.0	37.0	37.
GE 12000	5.9	37.1	37.6	38.0	38.3	38.3	38.3	38.3	38.
GE 10000	6.6	39.7	40.1	40.6	41.0	41.0	41.0	41.0	41.
GE 9000	6.7	40.6	41.1	41.6	41.9	41.9	41.9	41.9	41.
GE 8000	6.7	46.0	46.5	47.6	48.0	48.0	48.0	48.0	48.
GE 7000	6.7	46.9	47.4	48.7	49.2	49.2	49.2	49.2	49.
GE 6000	7.2	49.6	50.2	51.7	52.2	52.2	52.3	52.3	52.
GE 5000	8.5	59.6	60.3	61.9	62.4	62.4	62.5	62.5	62.
GE 4500	9.0	66.0	66.7	68.3	68.8	68.8	68.9	69.0	69.
GE 4000	9.4	74.0	74.8	76.6	77.0	77.0	77.2	77.3	77.
GE 3500	10.1	78.8	79.7	81.6	82.1	82.1	82.2	82.3	82.
GE 3000	10.7	84.9	85.8	88.3	89.1	89.1	89.2	89.3	89.
GE 2500	10.9	87.3	88.2	90.7	91.6	91.6	91.7	91.8	91.
GE 2000	11.4	88.6	90.0	92.7	93.9	93.9	94.0	94.1	94.
GE 1800	11.4	88.6	90.0	92.8	94.1	94.1	94.2	94.4	94.
GE 1500	11.7	90.6	92.3	95.1	96.5	96.5	96.6	96.8	96.
GE 1200	11.9	91.5	93.1	96.2	97.8	98.0	98.1	98.2	98.
GE 1000	11.9	92.1	93.9	97.0	98.7	98.8	99.0	99.2	99.
GE 900	11.9	92.1	93.9	97.0	98.8	99.0	99.3	99.4	99.
GE 800	11.9	92.1	93.9	97.1	98.9	99.2	99.4	99.5	99.
GE 700	11.9	92.3	94.1	97.4	99.2	99.4	99.6	99.8	100.
GE 600	11.9	92.3	94.1	97.4	99.2	99.4	99.6	99.8	100.
GE 500	11.9	92.3	94.1	97.4	99.2	99.4	99.6	99.8	100.
GE 400	11.9	92.3	94.1	97.4	99.2	99.4	99.6	99.8	100.
GE 300	11.9	92.3	94.1	97.4	99.2	99.4	99.6	99.8	100.
GE 200	11.9	92.3	94.1	97.4	99.2	99.4	99.6	99.8	100.
GE 100	11.9	92.3	94.1	97.4	99.2	99.4	99.6	99.8	100.
GE 0	11.9	92.3	94.1	97.4	99.2	99.4	99.6	99.8	100.

TOTAL NUMBER OF OBSERVATIONS: 832

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): 1500-1700

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
77.0	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
82.1	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
89.1	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
91.6	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
93.9	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
94.1	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
96.5	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	2.3	37.1	37.6	37.7	38.0	38.1	38.1	38.1	38
GE 20000	3.5	45.6	46.4	46.6	47.0	47.1	47.1	47.1	47
GE 18000	3.8	45.9	46.7	46.8	47.3	47.4	47.4	47.4	47
GE 16000	3.8	45.9	46.7	46.8	47.3	47.4	47.4	47.4	47
GE 14000	4.1	46.4	47.3	47.4	47.8	48.0	48.0	48.0	48
GE 12000	4.4	47.4	48.2	48.4	48.8	48.9	48.9	48.9	48
GE 10000	4.6	51.1	51.9	52.0	52.5	52.6	52.6	52.6	52
GE 9000	4.9	53.2	54.0	54.1	54.6	54.7	54.7	54.7	54
GE 8000	4.9	59.6	60.6	61.0	61.6	61.7	61.7	61.7	61
GE 7000	4.9	60.3	61.3	61.7	62.3	62.4	62.4	62.4	62
GE 6000	5.3	62.4	63.7	64.4	65.0	65.1	65.1	65.1	65
GE 5000	5.6	68.4	69.8	70.6	71.3	71.4	71.4	71.4	71
GE 4500	5.6	73.6	75.2	76.4	77.1	77.2	77.2	77.2	77
GE 4000	6.0	80.0	81.9	83.0	84.0	84.1	84.1	84.1	84
GE 3500	6.0	82.7	84.8	85.9	87.1	87.2	87.3	87.3	87
GE 3000	6.2	87.2	89.5	90.7	92.0	92.1	92.3	92.3	92
GE 2500	6.2	88.3	90.6	92.0	93.2	93.4	93.5	93.5	93
GE 2000	6.2	89.3	92.1	93.7	95.4	95.5	95.6	95.6	95
GE 1800	6.2	89.5	92.4	94.0	95.6	95.8	96.1	96.1	96
GE 1500	6.2	90.2	93.2	95.1	96.9	97.0	97.5	97.5	97
GE 1200	6.2	90.4	93.7	95.5	97.3	97.5	98.0	98.0	98
GE 1000	6.2	90.7	94.0	95.8	97.6	97.7	98.3	98.3	98
GE 900	6.2	90.7	94.0	95.8	97.7	97.9	98.5	98.5	98
GE 800	6.2	90.9	94.1	95.9	98.0	98.2	98.7	98.9	99
GE 700	6.2	91.3	94.5	96.5	98.6	98.7	99.3	99.4	99
GE 600	6.2	91.3	94.5	96.5	98.6	98.9	99.4	99.6	100
GE 500	6.2	91.3	94.5	96.5	98.6	98.9	99.4	99.6	100
GE 400	6.2	91.3	94.5	96.5	98.6	98.9	99.4	99.6	100
GE 300	6.2	91.3	94.5	96.5	98.6	98.9	99.4	99.6	100
GE 200	6.2	91.3	94.5	96.5	98.6	98.9	99.4	99.6	100
GE 100	6.2	91.3	94.5	96.5	98.6	98.9	99.4	99.6	100
GE 0	6.2	91.3	94.5	96.5	98.6	98.9	99.4	99.6	100

TOTAL NUMBER OF OBSERVATIONS: 711

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): 1800-2000

VISIBILITY IN HUNDREDS OF METERS

GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
95.5	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
95.8	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
97.0	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
97.5	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
97.7	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
97.9	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
98.2	98.7	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
98.7	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	1.9	45.7	46.3	47.0	47.9	47.9	48.0	48.0	48.0
GE 20000	2.8	51.6	52.1	53.0	54.1	54.1	54.3	54.3	54.3
GE 18000	2.8	51.6	52.1	53.0	54.1	54.1	54.3	54.3	54.3
GE 16000	2.8	51.6	52.1	53.0	54.1	54.1	54.3	54.3	54.3
GE 14000	3.0	52.1	52.7	53.6	54.7	54.7	54.8	54.8	54.8
GE 12000	3.1	52.4	53.0	53.8	55.0	55.0	55.1	55.1	55.1
GE 10000	3.1	54.3	54.8	55.7	56.8	56.8	57.0	57.0	57.0
GE 9000	3.1	54.8	55.4	56.3	57.4	57.4	57.5	57.5	57.5
GE 8000	3.1	59.4	60.0	61.0	62.1	62.4	62.5	62.5	62.5
GE 7000	3.3	60.1	60.7	61.7	62.8	63.1	63.2	63.2	63.2
GE 6000	3.3	61.4	62.0	63.0	64.1	64.4	64.5	64.5	64.5
GE 5000	3.8	66.5	67.1	68.1	69.4	69.7	70.1	70.1	70.1
GE 4500	4.1	71.8	72.4	73.8	75.2	75.5	75.9	75.9	75.9
GE 4000	4.1	76.2	77.2	78.8	80.2	80.5	80.9	80.9	80.9
GE 3500	4.3	78.5	79.5	81.3	82.8	83.0	83.5	83.5	83.5
GE 3000	4.3	82.6	83.8	85.6	87.0	87.3	87.7	87.7	87.7
GE 2500	4.4	83.0	84.2	86.0	87.5	87.7	88.2	88.2	88.2
GE 2000	4.7	84.3	85.5	87.6	89.0	89.3	89.9	89.9	89.9
GE 1800	5.0	85.0	86.2	88.3	89.9	90.2	90.7	90.7	90.7
GE 1500	5.3	86.5	87.6	89.7	92.0	92.5	93.0	93.0	93.2
GE 1200	5.3	88.3	89.5	91.7	94.0	94.4	95.0	95.0	95.2
GE 1000	5.3	89.7	91.0	93.3	95.6	96.0	96.6	96.6	96.7
GE 900	5.4	90.3	91.6	93.9	96.2	96.6	97.2	97.2	97.3
GE 800	5.4	90.3	91.9	94.2	96.9	97.3	97.9	97.9	98.0
GE 700	5.4	90.6	92.2	94.4	97.2	97.6	98.1	98.1	98.3
GE 600	5.4	90.6	92.2	94.4	97.2	97.6	98.1	98.1	98.3
GE 500	5.4	91.2	92.7	95.0	97.7	98.1	98.7	98.7	98.9
GE 400	5.4	91.2	92.7	95.0	97.7	98.1	98.9	98.9	99.0
GE 300	5.4	91.2	92.7	95.0	97.7	98.1	98.9	98.9	99.0
GE 200	5.4	91.2	92.7	95.0	97.7	98.1	98.9	99.0	99.1
GE 100	5.4	91.2	92.7	95.0	97.7	98.1	98.9	99.0	99.1
GE 0	5.4	91.2	92.7	95.0	97.7	98.1	98.9	99.0	99.1

TOTAL NUMBER OF OBSERVATIONS: 702

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

F FAIRFORD UK

PERIOD OF RECORD: 75-76,81-87
MONTH: MAY HOURS(LST): 2100-2300

	VISIBILITY IN HUNDREDS OF METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
9	47.9	48.0	48.0	48.0	48.0	48.1	48.1	48.1	48.3	48.3	48.3
1	54.1	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.6	54.6	54.7
1	54.1	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.6	54.6	54.7
1	54.1	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.6	54.6	54.7
7	54.7	54.8	54.8	54.8	54.8	55.0	55.0	55.0	55.1	55.1	55.3
C	55.0	55.1	55.1	55.1	55.1	55.3	55.3	55.3	55.4	55.4	55.6
8	56.8	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.3	57.3	57.4
4	57.4	57.5	57.5	57.5	57.5	57.7	57.7	57.7	57.8	57.8	58.0
1	62.4	62.5	62.5	62.5	62.5	62.7	62.7	62.7	62.8	62.8	63.0
8	63.1	63.2	63.2	63.2	63.2	63.4	63.4	63.4	63.5	63.5	63.7
1	64.4	64.5	64.5	64.5	64.5	64.7	64.7	64.7	64.8	64.8	65.0
4	69.7	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.4	70.4	70.5
2	75.5	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.2	76.2	76.4
2	80.5	80.9	80.9	80.9	80.9	81.1	81.1	81.1	81.2	81.2	81.3
8	83.0	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.8	83.8	83.9
C	87.3	87.7	87.7	87.7	87.7	87.9	87.9	87.9	88.0	88.0	88.2
6	87.7	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.5	88.5	88.6
7	89.3	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.2	90.2	90.3
9	90.2	90.7	90.7	90.7	90.7	90.9	90.9	90.9	91.0	91.0	91.2
1	92.5	93.0	93.0	93.2	93.2	93.3	93.3	93.3	93.4	93.4	93.6
3	94.4	95.0	95.0	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.6
5	96.0	96.6	96.6	96.7	96.7	96.9	96.9	96.9	97.0	97.0	97.2
	96.6	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.6	97.6	97.7
	97.3	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.3	98.3	98.4
	97.6	98.1	98.1	98.3	98.3	98.4	98.4	98.4	98.6	98.6	98.7
	97.6	98.1	98.1	98.3	98.3	98.4	98.4	98.4	98.6	98.6	98.7
	98.1	98.7	98.7	98.9	99.1	99.3	99.3	99.3	99.4	99.4	99.6
	98.1	98.9	98.9	99.0	99.3	99.4	99.4	99.4	99.6	99.6	99.7
	98.1	98.9	98.9	99.0	99.3	99.4	99.4	99.4	99.6	99.6	99.7
	98.1	98.9	99.0	99.1	99.4	99.6	99.6	99.6	99.7	99.7	99.9
	98.1	98.9	99.0	99.1	99.4	99.6	99.6	99.6	99.7	99.7	100.0
4	98.1	98.9	99.0	99.1	99.4	99.6	99.6	99.6	99.7	99.7	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	1.7	28.8	29.5	30.9	31.9	32.1	32.4	32.6	32.
GE 20000	3.1	35.3	36.1	37.9	39.1	39.3	39.7	40.0	40.
GE 18000	3.2	35.3	36.2	37.9	39.2	39.4	39.8	40.1	40.
GE 16000	3.2	35.3	36.2	37.9	39.2	39.4	39.8	40.1	40.
GE 14000	3.3	35.6	36.4	38.2	39.5	39.7	40.1	40.4	40.
GE 12000	3.5	36.3	37.3	39.1	40.3	40.6	41.0	41.3	41.
GE 10000	3.8	38.9	40.0	42.0	43.4	43.7	44.0	44.4	44.
GE 9000	3.9	39.6	40.8	42.9	44.3	44.6	44.9	45.3	45.
GE 8000	4.0	43.2	44.4	46.8	48.3	48.6	49.1	49.5	49.
GE 7000	4.1	44.0	45.3	48.0	49.5	49.9	50.3	50.7	50.
GE 6000	4.3	45.5	46.8	49.6	51.2	51.5	52.0	52.4	52.
GE 5000	5.0	52.0	53.4	56.5	58.2	58.6	59.2	59.7	59.
GE 4500	5.3	56.5	58.0	61.2	63.0	63.4	64.1	64.5	64.
GE 4000	5.6	61.7	63.3	66.7	68.6	69.0	69.8	70.3	70.
GE 3500	5.7	64.7	66.4	69.9	71.9	72.4	73.2	73.7	74.
GE 3000	6.0	70.2	72.1	75.9	78.1	78.6	79.5	80.1	80.
GE 2500	6.3	72.1	74.0	78.0	80.2	80.7	81.7	82.3	82.
GE 2000	6.7	75.1	77.2	81.4	83.9	84.4	85.4	86.0	86.
GE 1800	7.0	75.9	78.0	82.4	84.9	85.4	86.4	87.0	87.
GE 1500	7.2	77.9	80.2	84.7	87.5	88.0	89.1	89.7	90.
GE 1200	7.5	79.4	81.8	86.7	89.5	90.2	91.5	92.1	92.
GE 1000	7.6	80.5	83.2	88.2	91.3	91.9	93.4	94.1	94.
GE 900	7.7	80.8	83.5	88.7	91.8	92.5	94.1	94.8	95.
GE 800	7.7	81.0	83.9	89.2	92.4	93.2	94.8	95.5	96.
GE 700	7.8	81.4	84.3	89.8	93.2	93.9	95.6	96.4	96.
GE 600	7.8	81.5	84.3	89.9	93.3	94.1	95.9	96.7	97.
GE 500	7.8	81.7	84.6	90.2	93.7	94.5	96.4	97.2	97.
GE 400	7.8	81.8	84.6	90.2	93.8	94.7	96.6	97.5	98.
GE 300	7.8	81.8	84.6	90.2	93.8	94.7	96.7	97.5	98.
GE 200	7.8	81.8	84.6	90.2	93.8	94.7	96.7	97.5	98.
GE 100	7.8	81.8	84.6	90.2	93.8	94.7	96.7	97.6	98.
GE 0	7.8	81.8	84.6	90.2	93.8	94.7	96.7	97.6	98.

TOTAL NUMBER OF OBSERVATIONS: 6287

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY HOURS(LST): ALL

	VISIBILITY IN HUNDREDS OF METERS									
E	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
0	32	24	20	16	12	10	8	5	4	0
1	32.4	32.6	32.8	33.0	33.0	33.2	33.2	33.2	33.4	33.6
3	39.7	40.0	40.2	40.4	40.4	40.6	40.6	40.7	40.9	41.1
4	39.8	40.1	40.2	40.5	40.5	40.6	40.7	40.7	40.9	41.1
4	39.8	40.1	40.2	40.5	40.5	40.6	40.7	40.7	40.9	41.1
7	40.1	40.4	40.6	40.8	40.8	41.0	41.0	41.1	41.3	41.5
6	41.0	41.3	41.4	41.7	41.7	41.8	41.8	41.9	42.1	42.3
7	44.0	44.4	44.6	44.8	44.9	45.0	45.0	45.1	45.3	45.5
6	44.9	45.3	45.5	45.7	45.8	45.9	45.9	46.0	46.2	46.4
6	49.1	49.5	49.6	49.9	50.0	50.1	50.1	50.2	50.4	50.6
9	50.3	50.7	50.9	51.2	51.2	51.3	51.4	51.4	51.6	51.8
5	52.0	52.4	52.6	52.8	52.9	53.0	53.0	53.1	53.3	53.5
6	59.2	59.7	59.9	60.2	60.3	60.4	60.4	60.5	60.7	60.9
4	64.1	64.5	64.8	65.1	65.2	65.3	65.3	65.4	65.6	65.8
0	69.8	70.3	70.5	70.8	70.9	71.1	71.1	71.1	71.4	71.5
4	73.2	73.7	74.0	74.3	74.4	74.5	74.5	74.6	74.8	75.0
6	79.5	80.1	80.3	80.7	80.7	80.9	80.9	81.0	81.2	81.4
7	81.7	82.3	82.6	82.9	82.9	83.1	83.1	83.2	83.4	83.6
4	85.4	86.0	86.3	86.6	86.7	86.9	86.9	87.0	87.2	87.4
4	86.4	87.0	87.3	87.7	87.7	87.9	87.9	88.0	88.2	88.4
0	89.1	89.7	90.1	90.4	90.5	90.6	90.6	90.7	90.9	91.2
2	91.5	92.1	92.5	92.9	92.9	93.1	93.1	93.2	93.4	93.6
9	93.4	94.1	94.4	94.8	94.9	95.1	95.1	95.2	95.4	95.6
5	94.1	94.8	95.1	95.5	95.6	95.8	95.8	95.9	96.1	96.3
2	94.8	95.5	96.0	96.3	96.4	96.6	96.6	96.7	96.9	97.1
9	95.6	96.4	96.9	97.3	97.3	97.5	97.5	97.6	97.8	98.0
1	95.9	96.7	97.2	97.6	97.7	97.9	97.9	98.0	98.2	98.4
5	96.4	97.2	97.8	98.3	98.4	98.5	98.6	98.7	98.9	99.1
7	96.6	97.5	98.0	98.7	98.8	98.9	99.0	99.1	99.3	99.5
7	96.7	97.5	98.1	98.7	98.8	99.0	99.0	99.2	99.4	99.6
7	96.7	97.5	98.1	98.8	98.9	99.1	99.2	99.3	99.6	99.8
7	96.7	97.6	98.2	98.8	98.9	99.1	99.2	99.3	99.6	99.9
7	96.7	97.6	98.2	98.8	98.9	99.1	99.2	99.3	99.6	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	VISIBILITY IN HUN
NO CEIL	7.1	42.5	44.0	46.9	48.3	48.3	48.6	48.9	4
GE 20000	8.6	46.6	48.3	51.2	52.7	52.7	53.0	53.3	5
GE 18000	8.6	46.6	48.3	51.2	52.7	52.7	53.0	53.3	5
GE 16000	8.6	46.6	48.3	51.2	52.7	52.7	53.0	53.3	5
GE 14000	8.6	46.7	48.5	51.4	52.8	52.8	53.1	53.4	5
GE 12000	8.7	47.2	49.1	52.0	53.4	53.4	53.7	54.0	5
GE 10000	8.7	48.3	50.2	53.1	54.6	54.6	54.9	55.2	5
GE 9000	8.7	50.2	52.3	55.2	56.6	56.6	57.2	57.5	5
GE 8000	8.7	53.6	55.6	58.7	60.3	60.3	61.0	61.3	6
GE 7000	8.7	55.0	57.1	60.1	61.7	61.7	62.4	62.7	6
GE 6000	9.2	55.9	57.9	61.0	62.6	62.6	63.3	63.6	6
GE 5000	9.3	61.4	63.5	66.7	68.3	68.3	69.0	69.3	6
GE 4500	9.6	63.5	65.5	68.7	70.3	70.3	71.3	71.6	7
GE 4000	9.9	66.8	68.9	72.1	73.7	73.7	74.8	75.1	7
GE 3500	10.0	70.3	72.5	75.8	77.4	77.4	78.6	78.9	7
GE 3000	10.6	73.2	75.4	79.3	80.6	80.6	82.1	82.4	8
GE 2500	10.9	73.9	76.1	79.8	81.4	81.4	82.8	83.1	8
GE 2000	11.2	75.3	77.4	81.5	83.1	83.1	84.6	84.9	8
GE 1800	11.2	75.5	77.7	81.8	83.4	83.4	85.0	85.3	8
GE 1500	11.2	78.0	80.2	84.6	86.2	86.3	87.9	88.2	8
GE 1200	11.2	80.3	82.5	86.9	88.5	88.6	90.2	90.5	9
GE 1000	11.2	82.5	84.7	89.1	90.7	90.8	92.4	92.7	9
GE 900	11.2	83.0	85.2	89.5	91.1	91.3	93.3	93.7	9
GE 800	11.2	83.7	85.9	90.4	92.0	92.1	94.2	94.6	9
GE 700	11.2	84.4	86.6	91.4	93.2	93.3	95.5	95.9	9
GE 600	11.2	84.6	86.8	91.7	93.6	93.7	96.4	96.8	9
GE 500	11.2	84.9	87.0	92.0	93.9	94.0	96.8	97.4	9
GE 400	11.2	84.9	87.2	92.1	94.0	94.2	96.9	98.0	9
GE 300	11.2	84.9	87.2	92.3	94.2	94.3	97.1	98.1	9
GE 200	11.2	84.9	87.2	92.3	94.5	94.6	97.4	98.4	9
GE 100	11.2	84.9	87.2	92.3	94.5	94.6	97.5	98.5	9
GE 0	11.2	84.9	87.2	92.3	94.5	94.6	97.5	98.5	9

TOTAL NUMBER OF OBSERVATIONS: 687

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 0000-0200

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
48.6	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.2
53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.6	53.6
53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.6	53.6
53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.6	53.6
53.1	53.4	53.6	53.6	53.6	53.6	53.7	53.6	53.7	53.7
53.7	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.3	54.3
54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.5	55.5
57.2	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.8	57.8
61.0	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.9	61.9
62.4	62.7	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3
63.3	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.2	64.2
69.0	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.9	69.9
71.3	71.6	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2
74.8	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.7	75.7
78.6	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.5	79.5
82.1	82.4	82.8	82.8	82.8	82.8	82.8	82.8	83.0	83.0
82.8	83.1	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7
84.6	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4
85.0	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9
87.9	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.8	88.8
90.2	90.5	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1
92.4	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4
93.3	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.5	94.5
94.2	94.6	95.2	95.3	95.3	95.3	95.3	95.3	95.5	95.5
95.5	95.9	96.5	96.7	96.7	96.7	96.7	96.7	96.8	96.8
96.4	96.8	97.4	97.5	97.5	97.5	97.5	97.5	97.7	97.7
96.8	97.4	98.0	98.1	98.1	98.1	98.1	98.1	98.3	98.3
96.9	98.0	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8
97.1	98.1	98.8	99.0	99.0	99.0	99.0	99.1	99.3	99.3
97.4	98.4	99.3	99.4	99.4	99.4	99.4	99.6	99.7	99.7
97.5	98.5	99.4	99.6	99.6	99.7	99.7	99.9	100.0	100.0
97.5	98.5	99.4	99.6	99.6	99.7	99.7	99.9	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	3.3	28.7	29.9	34.1	36.2	36.4	37.4	38.4	39.3
GE 20000	5.2	32.0	33.3	38.0	40.9	41.0	42.3	43.3	44.3
GE 18000	5.2	32.2	33.5	38.1	41.0	41.2	42.5	43.5	44.5
GE 16000	5.2	32.2	33.5	38.1	41.0	41.2	42.5	43.5	44.5
GE 14000	5.2	32.2	33.5	38.1	41.0	41.2	42.5	43.5	44.5
GE 12000	5.2	32.6	33.9	38.8	41.7	41.9	43.2	44.2	45.2
GE 10000	5.7	34.8	36.2	41.9	44.8	44.9	46.5	47.5	48.6
GE 9000	5.7	36.1	37.5	43.3	46.2	46.5	48.3	49.3	50.3
GE 8000	5.7	38.7	40.3	46.2	49.3	49.6	51.4	52.5	53.5
GE 7000	5.7	39.6	41.3	47.2	50.3	50.6	52.5	53.5	54.5
GE 6000	6.7	41.2	42.9	49.0	52.0	52.5	54.3	55.4	56.4
GE 5000	7.2	46.7	48.7	55.1	58.4	59.0	61.0	62.0	63.0
GE 4500	7.4	48.6	50.6	57.2	60.7	61.3	63.6	64.6	65.7
GE 4000	7.4	51.6	53.8	60.6	64.2	64.8	67.1	68.1	69.3
GE 3500	7.5	53.6	55.8	62.8	66.4	67.0	69.3	70.4	71.6
GE 3000	8.3	56.7	58.8	65.8	69.6	70.1	72.5	73.6	74.8
GE 2500	8.6	57.4	59.6	66.5	70.3	70.9	73.2	74.3	75.7
GE 2000	8.8	59.3	61.7	68.7	72.5	73.0	75.5	76.7	78.0
GE 1800	9.0	59.9	62.5	69.7	73.5	74.1	76.5	77.7	79.0
GE 1500	9.3	62.0	64.6	72.2	75.9	76.7	79.1	80.4	81.7
GE 1200	9.4	64.5	67.2	74.9	79.0	79.9	82.8	84.2	85.7
GE 1000	9.	65.2	68.0	75.8	80.0	80.9	83.8	85.4	86.8
GE 900	9.6	65.9	69.0	76.8	81.0	81.9	85.1	86.7	88.1
GE 800	9.6	66.2	69.4	77.4	81.7	82.6	85.9	87.5	89.0
GE 700	9.6	67.0	70.6	79.0	83.5	84.3	87.8	89.7	91.3
GE 600	9.6	67.2	71.0	79.6	84.6	85.7	89.7	91.9	93.6
GE 500	9.6	67.2	71.0	79.6	84.6	85.7	89.7	92.2	93.9
GE 400	9.6	67.2	71.2	79.7	84.8	85.8	89.9	92.3	94.2
GE 300	9.6	67.2	71.2	79.7	84.8	85.8	89.9	92.8	94.8
GE 200	9.6	67.2	71.2	79.7	84.8	85.8	89.9	92.8	94.8
GE 100	9.6	67.2	71.2	79.7	84.9	85.9	90.0	93.0	95.1
GE 0	9.6	67.2	71.2	79.7	84.9	85.9	90.0	93.0	95.1

TOTAL NUMBER OF OBSERVATIONS: 690

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 0300-0500

CEILING	VISIBILITY IN HUNDREDS OF METERS									
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
6.4	37.4	38.4	39.3	39.9	40.1	40.3	40.6	40.7	40.9	41.9
1.0	42.3	43.3	44.3	44.9	45.2	45.4	45.7	45.8	45.9	47.0
1.2	42.5	43.5	44.5	45.1	45.4	45.5	45.8	45.9	46.1	47.1
1.2	42.5	43.5	44.5	45.1	45.4	45.5	45.8	45.9	46.1	47.1
1.2	42.5	43.5	44.5	45.1	45.4	45.5	45.8	45.9	46.1	47.1
1.9	43.2	44.2	45.2	45.9	46.2	46.4	46.7	46.8	47.0	48.0
4.9	46.5	47.5	48.6	49.3	49.6	49.7	50.0	50.1	50.3	51.3
6.5	48.3	49.3	50.3	51.2	51.4	51.6	51.9	52.0	52.2	53.2
9.6	51.4	52.5	53.5	54.3	54.6	54.8	55.1	55.2	55.4	56.4
0.6	52.5	53.5	54.5	55.4	55.7	55.8	56.1	56.2	56.4	57.4
2.5	54.3	55.4	56.4	57.2	57.5	57.7	58.0	58.1	58.3	59.3
9.0	61.0	62.0	63.0	63.9	64.2	64.3	64.6	64.8	64.9	65.9
1.3	63.6	64.6	65.7	66.5	66.8	67.0	67.2	67.4	67.5	68.6
4.8	67.1	68.1	69.3	70.1	70.4	70.6	70.9	71.0	71.2	72.2
7.0	69.3	70.4	71.6	72.5	72.8	72.9	73.2	73.3	73.5	74.5
0.1	72.5	73.6	74.8	75.7	75.9	76.1	76.4	76.5	76.7	77.7
0.9	73.2	74.3	75.7	76.5	77.0	77.1	77.4	77.5	77.7	78.7
3.0	75.5	76.7	78.0	78.8	79.3	79.4	79.9	80.0	80.1	81.2
4.1	76.5	77.7	79.0	79.9	80.3	80.4	80.9	81.0	81.2	82.2
6.7	79.1	80.4	81.7	82.6	83.0	83.2	83.6	83.8	83.9	84.9
9.9	82.8	84.2	85.7	86.7	87.1	87.2	87.7	87.8	88.0	89.0
0.9	83.8	85.4	86.8	87.8	88.3	88.4	88.8	89.0	89.1	90.1
1.9	85.1	86.7	88.1	89.1	89.6	89.7	90.1	90.3	90.4	91.4
2.6	85.9	87.5	89.0	90.0	90.4	90.6	91.0	91.2	91.3	92.3
4.3	87.8	89.7	91.3	92.3	92.8	92.9	93.3	93.5	93.6	94.6
5.7	89.7	91.9	93.6	94.8	95.2	95.4	95.8	95.9	96.1	97.1
5.7	89.7	92.2	93.9	95.1	95.5	95.7	96.1	96.2	96.4	97.4
5.8	89.9	92.3	94.2	95.7	96.1	96.2	96.7	96.8	97.0	98.0
5.8	89.9	92.8	94.8	96.2	96.8	97.0	97.4	97.5	97.7	98.7
5.8	89.9	92.8	94.8	96.4	97.0	97.1	97.5	97.8	98.0	99.4
5.9	90.0	93.0	95.1	96.7	97.2	97.4	97.8	98.3	98.6	100.0
5.9	90.0	93.0	95.1	96.7	97.2	97.4	97.8	98.3	98.6	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	3.9	24.8	26.8	30.8	32.7	33.2	33.7	34.4	35.
GE 20000	5.4	31.2	33.3	37.8	40.4	40.9	41.6	42.4	43.
GE 18000	5.4	31.2	33.3	37.9	40.5	41.1	41.7	42.5	43.
GE 16000	5.4	31.2	33.3	37.9	40.5	41.1	41.7	42.5	43.
GE 14000	5.6	31.6	33.7	38.3	40.9	41.5	42.1	43.0	43.
GE 12000	6.1	32.1	34.3	39.2	41.7	42.3	43.0	43.9	44.
GE 10000	6.2	34.4	36.6	42.1	44.7	45.3	45.9	47.0	47.
GE 9000	6.2	35.0	37.1	42.7	45.3	45.8	46.5	47.6	48.
GE 8000	6.4	39.0	41.9	48.1	50.7	51.4	52.0	53.3	53.
GE 7000	6.6	40.5	43.5	49.7	52.3	53.0	53.7	54.9	55.
GE 6000	6.9	41.2	44.3	50.8	53.4	54.1	54.9	56.1	56.
GE 5000	7.3	45.8	49.1	55.6	58.1	58.9	59.8	61.0	61.
GE 4500	7.7	49.2	52.4	59.1	62.2	63.0	63.8	65.0	65.
GE 4000	8.0	51.9	55.1	61.9	65.0	66.1	66.9	68.2	69.
GE 3500	8.1	53.7	57.2	64.0	67.1	68.2	69.0	70.2	71.
GE 3000	8.1	56.6	60.3	67.5	70.6	71.7	72.5	73.7	74.
GE 2500	8.1	57.2	61.0	68.3	71.4	72.5	73.4	74.7	75.
GE 2000	8.3	59.9	64.0	71.4	74.5	75.6	76.6	77.9	78.
GE 1800	8.3	60.0	64.1	71.5	74.7	75.7	76.7	78.0	79.0
GE 1500	8.5	62.6	66.7	74.1	77.4	78.5	79.5	80.9	81.8
GE 1200	8.9	65.9	70.1	77.8	81.0	82.1	83.3	85.1	86.0
GE 1000	9.1	67.3	71.7	79.9	83.6	84.7	86.0	87.8	88.8
GE 900	9.1	67.9	72.2	80.6	84.3	85.4	86.7	88.5	89.4
GE 800	9.2	68.7	73.2	81.8	85.8	87.0	88.8	90.5	91.5
GE 700	9.2	68.7	73.3	82.7	86.6	87.8	89.6	91.7	92.7
GE 600	9.2	69.1	73.8	83.3	87.3	88.6	90.8	93.1	94.2
GE 500	9.2	69.1	74.0	83.6	87.7	89.2	91.3	93.8	95.0
GE 400	9.2	69.1	74.0	83.7	87.8	89.3	91.7	94.3	95.8
GE 300	9.2	69.2	74.1	83.9	87.9	89.4	91.9	94.4	95.9
GE 200	9.2	69.2	74.1	83.9	87.9	89.4	91.9	94.4	95.9
GE 100	9.2	69.2	74.1	83.9	87.9	89.4	91.9	94.4	95.9
GE 0	9.2	69.2	74.1	83.9	87.9	89.4	91.9	94.4	95.9

TOTAL NUMBER OF OBSERVATIONS: 738

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 0600-0800

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
3.2	33.7	34.4	35.0	35.8	35.8	35.9	36.0	36.2	36.2	36.4
0.9	41.6	42.4	43.1	43.9	43.9	44.0	44.2	44.3	44.3	44.6
1.1	41.7	42.5	43.2	44.0	44.0	44.2	44.3	44.4	44.4	44.7
1.1	41.7	42.5	43.2	44.0	44.0	44.2	44.3	44.4	44.4	44.7
1.5	42.1	43.0	43.6	44.4	44.4	44.6	44.7	44.9	44.9	45.1
2.3	43.0	43.9	44.6	45.4	45.4	45.5	45.7	45.9	45.9	46.2
3.3	45.9	47.0	47.7	48.5	48.5	48.6	48.8	49.1	49.1	49.3
5.8	46.5	47.6	48.2	49.1	49.1	49.2	49.3	49.6	49.6	49.9
1.4	52.0	53.3	53.9	54.9	54.9	55.0	55.1	55.4	55.4	55.7
3.0	53.7	54.9	55.6	56.5	56.5	56.6	56.8	57.0	57.0	57.3
1.1	54.9	56.1	56.8	57.7	57.7	57.9	58.0	58.3	58.3	58.5
3.9	59.8	61.0	61.8	62.7	62.7	62.9	63.0	63.3	63.3	63.6
3.0	63.8	65.0	65.9	66.8	66.8	66.9	67.1	67.3	67.3	67.6
0.1	66.9	68.2	69.0	69.9	69.9	70.1	70.2	70.5	70.5	70.7
8.2	69.0	70.2	71.0	72.0	72.0	72.1	72.2	72.5	72.5	72.8
1.7	72.5	73.7	74.7	75.6	75.6	75.7	75.9	76.2	76.2	76.4
2.5	73.4	74.7	75.6	76.6	76.6	76.7	76.8	77.1	77.1	77.4
9.6	76.6	77.9	78.9	79.9	79.9	80.1	80.2	80.5	80.5	80.8
9.7	76.7	78.0	79.0	80.1	80.1	80.2	80.4	80.6	80.6	80.9
1.5	79.5	80.9	81.8	82.9	82.9	83.1	83.2	83.5	83.5	83.7
3.1	83.3	85.1	86.0	87.3	87.3	87.4	87.5	87.8	87.8	88.1
7.7	86.0	87.8	88.8	90.0	90.1	90.2	90.4	90.7	90.7	90.9
7.4	86.7	88.5	89.4	90.7	90.8	90.9	91.1	91.3	91.3	91.6
3.0	88.8	90.5	91.5	92.7	92.8	93.0	93.1	93.4	93.4	93.6
7.8	89.6	91.7	92.7	94.0	94.3	94.4	94.6	94.9	94.9	95.1
7.6	90.8	93.1	94.2	95.7	95.9	96.1	96.2	96.5	96.5	96.7
7.2	91.3	93.8	95.0	96.7	97.0	97.2	97.3	97.6	97.6	97.8
7.3	91.7	94.3	95.8	97.6	98.0	98.1	98.2	98.8	98.8	99.1
7.4	91.9	94.4	95.9	97.8	98.4	98.5	98.6	99.2	99.2	99.5
7.4	91.9	94.4	95.9	97.8	98.5	98.9	99.1	99.6	99.6	100.0
7.4	91.9	94.4	95.9	97.8	98.5	98.9	99.1	99.6	99.6	100.0
7.4	91.9	94.4	95.9	97.8	98.5	98.9	99.1	99.6	99.6	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVA

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDREDS								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	3.9	25.6	27.7	29.5	29.6	29.6	30.0	30.1	30.3
GE 20000	7.1	32.4	34.7	36.7	36.8	36.8	37.2	37.3	37.5
GE 18000	7.1	32.4	34.7	36.7	36.8	36.8	37.2	37.3	37.5
GE 16000	7.1	32.4	34.7	36.7	36.8	36.8	37.2	37.3	37.5
GE 14000	7.5	33.1	35.3	37.3	37.5	37.5	37.9	38.0	38.2
GE 12000	7.9	34.5	36.9	39.0	39.1	39.1	39.6	39.8	39.9
GE 10000	8.8	39.4	41.9	44.3	44.4	44.4	45.0	45.1	45.2
GE 9000	9.1	40.4	43.1	45.5	45.8	45.8	46.3	46.5	46.6
GE 8000	9.1	42.8	45.5	47.9	48.2	48.2	48.7	48.9	49.0
GE 7000	9.1	43.2	45.9	48.5	48.7	48.7	49.3	49.4	49.5
GE 6000	9.1	44.3	47.0	49.5	49.8	49.8	50.6	50.7	50.9
GE 5000	9.8	49.9	52.6	55.2	55.4	55.4	56.4	56.5	56.6
GE 4500	10.4	55.0	57.7	60.2	60.5	60.5	61.4	61.6	61.7
GE 4000	10.6	60.0	62.7	65.7	66.0	66.1	67.1	67.2	67.3
GE 3500	11.2	65.3	68.0	71.1	71.4	71.5	72.4	72.6	72.7
GE 3000	11.6	74.3	77.1	80.2	80.6	80.7	81.7	81.8	81.9
GE 2500	12.3	76.8	79.7	82.7	83.1	83.3	84.2	84.3	84.5
GE 2000	12.9	79.5	82.3	85.4	85.8	85.9	86.9	87.0	87.1
GE 1800	13.0	80.1	82.9	85.9	86.3	86.5	87.4	87.6	87.7
GE 1500	13.3	81.7	84.6	88.0	88.4	88.5	89.4	89.6	89.7
GE 1200	13.4	84.2	87.3	90.9	91.6	91.7	92.6	92.8	92.9
GE 1000	13.5	86.1	89.6	93.4	94.2	94.4	95.3	95.6	95.7
GE 900	13.5	86.3	90.0	94.1	94.9	95.0	96.0	96.3	96.4
GE 800	13.5	86.6	90.4	94.6	95.4	95.6	96.5	96.8	96.9
GE 700	13.7	86.7	90.9	95.3	96.1	96.4	97.3	97.6	97.7
GE 600	13.7	87.0	91.2	95.7	96.7	96.9	98.0	98.3	98.4
GE 500	13.7	87.0	91.2	95.7	96.8	97.1	98.1	98.5	98.7
GE 400	13.7	87.0	91.3	95.9	96.9	97.5	98.5	99.1	99.5
GE 300	13.7	87.0	91.3	95.9	96.9	97.5	98.5	99.1	99.5
GE 200	13.7	87.0	91.3	95.9	96.9	97.5	98.5	99.1	99.5
GE 100	13.7	87.0	91.3	95.9	96.9	97.5	98.5	99.1	99.5
GE 0	13.7	87.0	91.3	95.9	96.9	97.5	98.5	99.1	99.5

TOTAL NUMBER OF OBSERVATIONS: 747

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

IRFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 0900-1100

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
	29.6	30.0	30.1	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
	36.8	37.2	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
	36.8	37.2	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
	36.8	37.2	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
	37.5	37.9	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
	39.1	39.6	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
	44.4	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
	45.8	46.3	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
	48.2	48.7	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
	48.7	49.3	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
	49.8	50.6	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
	55.4	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
	60.5	61.4	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
	66.1	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
	71.5	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
	80.7	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
	83.3	84.2	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
	85.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
	86.5	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
	88.5	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
	91.7	92.6	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
	94.4	95.3	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
	95.0	96.0	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
	95.6	96.5	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
	96.4	97.3	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
	96.9	98.0	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	97.1	98.1	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
	97.5	98.5	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	97.5	98.5	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	97.5	98.5	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	97.5	98.5	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	97.5	98.5	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	5.8	29.4	29.9	30.4	30.4	30.4	30.4	30.4	30.4
GE 20000	8.9	36.5	37.1	37.6	37.6	37.6	37.6	37.6	37.6
GE 18000	8.9	36.7	37.2	37.8	37.8	37.8	37.8	37.8	37.8
GE 16000	8.9	36.7	37.2	37.8	37.8	37.8	37.8	37.8	37.8
GE 14000	9.2	37.2	37.8	38.3	38.3	38.3	38.3	38.3	38.3
GE 12000	9.5	38.8	39.4	39.9	39.9	39.9	39.9	39.9	39.9
GE 10000	10.0	43.8	44.4	45.2	45.2	45.2	45.2	45.2	45.2
GE 9000	10.0	44.8	45.3	46.1	46.1	46.1	46.1	46.1	46.1
GE 8000	10.0	48.3	48.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 7000	10.0	49.0	49.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 6000	10.1	51.3	51.8	52.9	53.0	53.0	53.0	53.0	53.0
GE 5000	10.8	59.3	59.8	61.2	61.6	61.6	61.6	61.6	61.6
GE 4500	11.8	65.0	65.6	67.0	67.4	67.4	67.4	67.4	67.4
GE 4000	13.0	72.8	73.5	75.1	75.5	75.5	75.5	75.5	75.5
GE 3500	13.7	77.4	78.3	80.0	80.4	80.4	80.4	80.4	80.4
GE 3000	14.9	86.7	87.8	89.4	89.9	89.9	89.9	89.9	89.9
GE 2500	15.0	88.1	89.2	90.8	91.2	91.2	91.2	91.2	91.2
GE 2000	15.3	90.1	91.2	92.8	93.2	93.2	93.2	93.2	93.2
GE 1800	15.3	90.4	91.5	93.1	93.5	93.5	93.5	93.5	93.5
GE 1500	15.4	90.9	92.0	93.9	94.6	94.6	94.6	94.6	94.6
GE 1200	15.4	92.8	94.0	96.3	97.3	97.3	97.3	97.3	97.3
GE 1000	15.4	94.0	95.3	97.8	98.9	98.9	98.9	98.9	98.9
GE 900	15.4	94.0	95.3	97.8	98.9	98.9	98.9	98.9	98.9
GE 800	15.4	94.2	95.4	98.0	99.1	99.1	99.1	99.1	99.1
GE 700	15.4	94.5	95.7	98.4	99.5	99.5	99.5	99.5	99.5
GE 600	15.4	94.5	95.8	98.5	99.6	99.6	99.6	99.6	99.6
GE 500	15.4	94.5	95.8	98.5	99.6	99.6	99.6	99.6	99.6
GE 400	15.4	94.5	95.8	98.5	99.6	99.6	99.7	99.7	99.7
GE 300	15.4	94.5	95.8	98.5	99.6	99.6	99.7	100.0	100.0
GE 200	15.4	94.5	95.8	98.5	99.6	99.6	99.7	100.0	100.0
GE 100	15.4	94.5	95.8	98.5	99.6	99.6	99.7	100.0	100.0
GE 0	15.4	94.5	95.8	98.5	99.6	99.6	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 739

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 1200-1400

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
0.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
7.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
7.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
7.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
8.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
9.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
5.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
6.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
9.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
0.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
3.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
1.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
7.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
5.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
9.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
1.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
3.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
3.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
4.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
7.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
8.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
8.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
9.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
9.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
9.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
9.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
9.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
9.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	5.5	31.4	31.8	31.8	31.8	31.8	31.8	31.8	31.
GE 20000	8.1	39.7	40.1	40.2	40.2	40.2	40.2	40.2	40.
GE 18000	8.2	39.8	40.2	40.4	40.4	40.4	40.4	40.4	40.
GE 16000	8.2	39.8	40.2	40.4	40.4	40.4	40.4	40.4	40.
GE 14000	9.0	40.8	41.2	41.3	41.3	41.3	41.3	41.3	41.
GE 12000	9.3	41.2	41.6	41.7	41.7	41.7	41.7	41.7	41.
GE 10000	9.7	47.0	47.4	47.5	47.5	47.5	47.5	47.5	47.
GE 9000	9.9	48.2	48.6	48.9	48.9	48.9	48.9	48.9	48.
GE 8000	9.9	52.6	53.0	53.3	53.3	53.3	53.3	53.3	53.
GE 7000	10.1	54.1	54.5	54.8	54.8	54.8	54.8	54.8	54.
GE 6000	11.1	57.4	57.8	58.0	58.0	58.0	58.0	58.0	58.
GE 5000	13.6	71.1	71.8	72.7	72.9	72.9	72.9	72.9	72.
GE 4500	14.6	77.5	78.1	79.1	79.2	79.2	79.2	79.2	79.
GE 4000	14.8	83.3	83.9	84.9	85.0	85.0	85.0	85.0	85.
GE 3500	15.1	86.0	86.6	87.6	87.7	87.7	87.7	87.7	87.
GE 3000	15.4	90.3	91.0	91.9	92.0	92.0	92.0	92.0	92.
GE 2500	15.5	91.0	91.6	92.7	93.0	93.0	93.0	93.0	93.
GE 2000	15.7	91.8	92.4	93.5	93.8	93.8	93.8	93.9	93.
GE 1800	15.8	92.0	92.8	93.9	94.2	94.2	94.2	94.3	94.
GE 1500	15.9	93.8	94.6	95.7	96.2	96.2	96.2	96.4	96.
GE 1200	16.1	94.9	95.8	96.9	97.4	97.4	97.4	97.6	97.
GE 1000	16.1	95.1	96.4	97.7	98.5	98.5	98.5	98.7	98.
GE 900	16.1	95.1	96.4	97.7	98.5	98.5	98.5	98.7	98.
GE 800	16.1	95.1	96.4	97.7	98.5	98.5	98.5	98.7	98.
GE 700	16.1	95.3	96.6	98.1	99.1	99.1	99.2	99.3	99.
GE 600	16.1	95.3	96.6	98.1	99.1	99.1	99.5	99.6	99.
GE 500	16.1	95.4	96.8	98.2	99.2	99.2	99.6	99.7	99.
GE 400	16.1	95.4	96.8	98.2	99.2	99.2	99.6	99.7	99.
GE 300	16.1	95.4	96.8	98.2	99.2	99.2	99.6	100.0	100.
GE 200	16.1	95.4	96.8	98.2	99.2	99.2	99.6	100.0	100.
GE 100	16.1	95.4	96.8	98.2	99.2	99.2	99.6	100.0	100.
GE 0	16.1	95.4	96.8	98.2	99.2	99.2	99.6	100.0	100.

TOTAL NUMBER OF OBSERVATIONS: 741

EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 1500-1700

E	VISIBILITY IN HUNDREDS OF METERS GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
.C	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
.5	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
.C	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	2.7	38.6	39.1	39.5	39.5	39.5	39.5	39.5	39
GE 20000	3.3	45.7	46.2	46.7	46.7	46.7	46.7	46.7	46
GE 18000	3.3	45.8	46.3	46.8	[illegible]	46.8	46.8	46.8	46
GE 16000	3.3	46.0	46.5	47.0	[illegible]	47.0	47.0	47.0	47
GE 14000	3.3	46.0	46.5	47.0	[illegible]	47.0	47.0	47.0	47
GE 12000	3.5	47.3	47.8	48.3	[illegible]	48.3	48.3	48.3	48
GE 10000	3.5	52.7	53.2	53.7	53.7	53.7	53.7	53.7	53
GE 9000	3.5	54.0	54.5	55.0	55.0	55.0	55.0	55.4	55
GE 8000	3.5	61.2	61.9	62.4	62.4	62.4	62.4	62.7	62
GE 7000	3.5	63.0	63.7	64.2	64.2	64.2	64.2	64.5	64
GE 6000	3.8	65.6	66.2	66.7	66.7	66.7	66.7	67.1	67
GE 5000	4.8	76.1	76.8	77.8	77.8	77.9	77.9	78.3	78
GE 4500	4.8	79.8	80.6	81.6	81.6	81.8	81.8	82.1	82
GE 4000	4.8	84.1	84.9	86.0	86.0	86.1	86.1	86.5	86
GE 3500	4.8	86.1	87.0	88.0	88.0	88.1	88.1	88.5	88
GE 3000	5.0	88.8	89.6	91.0	91.0	91.1	91.1	91.5	91
GE 2500	5.0	89.1	90.0	91.5	91.5	91.6	91.6	92.0	92
GE 2000	5.0	90.1	91.0	92.8	92.8	93.0	93.0	93.3	93
GE 1800	5.0	90.3	91.1	93.1	93.1	93.3	93.5	93.8	93
GE 1500	5.0	91.8	92.8	95.2	95.7	95.8	96.2	96.5	96
GE 1200	5.0	92.0	93.0	95.3	95.8	96.0	96.3	96.7	96
GE 1000	5.0	92.5	93.5	96.2	96.8	97.0	97.5	98.2	98
GE 900	5.0	92.6	93.6	96.3	97.0	97.2	97.7	98.3	98
GE 800	5.0	92.6	93.6	96.3	97.0	97.2	97.7	98.3	98
GE 700	5.0	92.6	93.6	96.8	97.7	97.8	98.3	99.0	99
GE 600	5.0	92.6	93.6	96.8	97.7	97.8	98.5	99.2	99
GE 500	5.0	92.6	93.6	96.8	98.2	98.3	99.0	99.7	99
GE 400	5.0	92.6	93.6	96.8	98.2	98.3	99.0	99.7	99
GE 300	5.0	92.6	93.6	96.8	98.2	98.3	99.0	99.7	99
GE 200	5.0	92.6	93.6	96.8	98.2	98.3	99.0	99.7	99
GE 100	5.0	92.6	93.6	96.8	98.2	98.3	99.0	99.7	99
GE 0	5.0	92.6	93.6	96.8	98.2	98.3	99.0	99.7	99

TOTAL NUMBER OF OBSERVATIONS: 598

IL REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
ON FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): 1800-2000

F	VISIBILITY IN HUNDREDS OF METERS										
GE 1	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
9.	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
6.	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
6.	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
7.	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
7.	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
8.	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
3.	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
5.	55.0	55.0	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
2.	62.4	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
4.	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
7.	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
8.	77.9	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
2.	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
6.	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
8.	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
1.	91.1	91.1	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2.	91.6	91.6	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
3.	93.0	93.0	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5
4.	93.3	93.5	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
6.	95.8	96.2	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7
6.	96.0	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
8.	97.0	97.5	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
8.	97.2	97.7	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
8.	97.2	97.7	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
9.	97.8	98.3	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
9.	97.8	98.5	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.	98.3	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.	98.3	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.	98.3	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.	98.3	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.	98.3	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.	98.3	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUN							
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
NO CEIL	5.8	48.9	49.3	49.8	50.1	50.2	50.2	50.2
GE 20000	6.8	52.7	53.5	54.1	54.4	54.6	54.6	54.6
GE 18000	6.8	52.7	53.5	54.1	54.4	54.6	54.6	54.6
GE 16000	6.8	52.8	53.6	54.3	54.6	54.8	54.8	54.8
GE 14000	6.9	53.2	54.0	54.6	54.9	55.1	55.1	55.1
GE 12000	7.1	54.6	55.4	56.1	56.4	56.5	56.5	56.5
GE 10000	7.3	57.2	58.0	58.6	59.0	59.1	59.1	59.1
GE 9000	7.3	58.0	58.8	59.8	60.1	60.3	60.3	60.3
GE 8000	7.3	60.1	60.9	61.9	62.4	62.5	62.5	62.5
GE 7000	7.3	62.2	63.0	64.0	64.5	64.6	64.6	64.6
GE 6000	7.3	63.7	64.6	65.8	66.2	66.4	66.4	66.4
GE 5000	7.6	72.5	73.7	75.0	75.6	75.8	75.8	75.9
GE 4500	7.6	75.6	76.9	78.4	79.2	79.3	79.3	79.6
GE 4000	7.6	78.7	80.1	81.6	82.4	82.6	82.6	82.9
GE 3500	7.8	81.3	82.7	84.2	85.0	85.1	85.1	85.5
GE 3000	7.9	85.1	86.6	88.0	88.9	89.0	89.0	89.3
GE 2500	7.9	85.9	87.4	88.9	89.7	89.8	89.8	90.1
GE 2000	7.9	86.8	88.2	89.7	90.5	90.6	90.6	91.0
GE 1800	7.9	86.8	88.2	89.7	90.5	90.6	90.8	91.1
GE 1500	7.9	88.9	90.3	91.8	92.7	92.9	93.1	93.4
G 1200	7.9	90.3	91.8	93.2	94.2	94.3	94.5	94.8
GE 1000	7.9	91.4	92.9	94.5	95.5	95.6	95.8	96.1
GE 900	7.9	91.8	93.4	95.0	96.0	96.1	96.3	96.9
GE 800	7.9	92.1	93.7	95.5	96.4	96.6	96.8	97.4
GE 700	7.9	92.2	93.9	95.8	96.9	97.1	97.6	98.2
GE 600	7.9	92.2	93.9	95.8	96.9	97.1	97.9	98.5
GE 500	7.9	92.2	93.9	95.8	96.9	97.1	98.2	98.9
GE 400	7.9	92.2	93.9	96.0	97.1	97.3	98.4	99.2
GE 300	7.9	92.2	93.9	96.0	97.1	97.3	98.4	99.2
GE 200	7.9	92.2	93.9	96.0	97.1	97.3	98.4	99.4
GE 100	7.9	92.2	93.9	96.0	97.1	97.3	98.4	99.4
GE 0	7.9	92.2	93.9	96.0	97.1	97.3	98.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 619

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

IRFORD UK

PERIOD OF RECORD: 75-76,81-86
MONTH: JUN HOURS(LST): 2100-2300

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
59.1	59.1	59.1	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5
60.3	60.3	60.3	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6
62.5	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8
64.6	64.6	64.6	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1
66.4	66.4	66.4	66.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9
75.8	75.8	75.9	75.9	76.4	76.4	76.4	76.4	76.4	76.4	76.4
79.3	79.3	79.6	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1
82.6	82.6	82.9	82.9	83.4	83.4	83.4	83.4	83.4	83.4	83.4
85.1	85.1	85.5	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9
89.0	89.0	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0
89.8	89.8	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8
90.6	90.6	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6
90.6	90.8	91.1	91.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8
92.9	93.1	93.4	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0
94.3	94.5	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
95.6	95.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
96.1	96.3	96.9	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6
96.6	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
97.1	97.6	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9
97.1	97.9	98.5	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2
97.1	98.2	98.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5
97.3	98.4	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
97.3	98.4	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
97.3	98.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.3	98.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.3	98.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUN D R								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	4.8	33.2	34.3	36.1	36.9	37.0	37.3	37.6	37.
GE 20000	6.8	39.1	40.4	42.4	43.3	43.4	43.8	44.1	44.
GE 18000	6.8	39.2	40.5	42.5	43.4	43.5	43.9	44.2	44.
GE 16000	6.8	39.3	40.5	42.5	43.5	43.6	43.9	44.2	44.
GE 14000	7.0	39.6	40.9	42.9	43.9	44.0	44.3	44.6	44.
GE 12000	7.3	40.6	41.9	44.0	44.9	45.0	45.4	45.7	45.
GE 10000	7.6	44.3	45.6	48.0	48.9	49.0	49.4	49.7	50.
GE 9000	7.7	45.4	46.8	49.2	50.2	50.3	50.7	51.1	51.
GE 8000	7.7	49.1	50.5	53.1	54.1	54.3	54.8	55.2	55.
GE 7000	7.8	50.3	51.8	54.5	55.5	55.6	56.1	56.5	56
GE 6000	8.1	52.0	53.6	56.3	57.3	57.5	58.0	58.4	58
GE 5000	9.0	59.8	61.4	64.4	65.5	65.7	66.3	66.7	67
GE 4500	9.4	63.8	65.5	68.5	69.7	69.9	70.6	71.0	71
GE 4000	9.7	68.2	69.9	73.1	74.4	74.6	75.3	75.7	76
GE 3500	10.0	71.3	73.1	76.3	77.6	77.9	78.5	79.0	79
GE 3000	10.4	76.2	78.1	81.4	82.7	83.0	83.7	84.1	84
GE 2500	10.6	77.2	79.1	82.5	83.8	84.0	84.8	85.2	85
GE 2000	10.8	78.9	80.8	84.3	85.6	85.9	86.7	87.1	87
GE 1800	10.9	79.2	81.2	84.7	86.0	86.3	87.1	87.6	87
GE 1500	11.0	81.0	83.0	86.8	88.2	88.5	89.4	89.9	90
GE 1200	11.2	82.9	85.1	88.9	90.5	90.8	91.7	92.3	92
GE 1000	11.2	84.1	86.4	90.3	92.2	92.6	93.5	94.1	94
GE 900	11.2	84.4	86.7	90.9	92.7	93.0	94.0	94.7	95
GE 800	11.2	84.7	87.1	91.4	93.2	93.5	94.6	95.3	95
GE 700	11.2	85.0	87.5	92.1	94.0	94.4	95.6	96.3	96
GE 600	11.2	85.2	87.7	92.4	94.4	94.8	96.3	97.1	97
GE 500	11.2	85.2	87.8	92.5	94.6	95.0	96.5	97.4	97
GE 400	11.2	85.2	87.9	92.6	94.7	95.1	96.7	97.7	98
GE 300	11.2	85.2	87.9	92.6	94.7	95.1	96.7	97.9	98
GE 200	11.2	85.2	87.9	92.6	94.7	95.2	96.8	97.9	98
GE 100	11.2	85.2	87.9	92.6	94.7	95.2	96.8	98.0	98
GE 0	11.2	85.2	87.9	92.6	94.7	95.2	96.8	98.0	98

TOTAL NUMBER OF OBSERVATIONS: 5559

...IN
...NS ...UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

...RD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUN HOURS(LST): ALL

...ME...	VISIBILITY IN HUNDREDS OF METERS									
...E 16	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
...0	37.3	37.6	37.8	38.0	38.0	38.0	38.1	38.1	38.2	38.3
.5										
.6	43.8	44.1	44.3	44.5	44.5	44.6	44.6	44.7	44.7	44.9
.6	43.9	44.2	44.4	44.6	44.6	44.7	44.7	44.8	44.8	45.0
.0	43.9	44.2	44.5	44.6	44.7	44.7	44.8	44.8	44.8	45.0
.1	44.3	44.6	44.8	45.0	45.1	45.1	45.2	45.2	45.2	45.4
	45.4	45.7	45.9	46.1	46.2	46.2	46.3	46.3	46.4	46.5
1.2										
.6	49.4	49.7	50.0	50.2	50.2	50.3	50.3	50.4	50.4	50.6
.7	50.7	51.1	51.3	51.6	51.6	51.7	51.7	51.8	51.8	52.0
.0	54.8	55.2	55.4	55.7	55.7	55.8	55.8	55.9	55.9	56.1
.0	56.1	56.5	56.8	57.0	57.1	57.1	57.2	57.2	57.3	57.4
	58.0	58.4	58.7	59.0	59.0	59.0	59.1	59.1	59.2	59.3
7.3										
.6	66.3	66.7	67.0	67.3	67.4	67.4	67.4	67.5	67.5	67.7
.3	70.6	71.0	71.3	71.6	71.6	71.7	71.7	71.8	71.8	72.0
.6	75.3	75.7	76.0	76.3	76.4	76.4	76.5	76.5	76.5	76.7
.8	78.5	79.0	79.3	79.6	79.6	79.7	79.7	79.8	79.8	80.0
	83.7	84.1	84.4	84.8	84.8	84.8	84.9	84.9	85.0	85.1
5.9										
7.8	84.8	85.2	85.6	85.9	85.9	86.0	86.0	86.1	86.1	86.3
8.3	86.7	87.1	87.5	87.8	87.9	87.9	88.0	88.0	88.1	88.2
0.6	87.1	7.6	87.9	88.3	88.3	88.3	88.4	88.5	88.5	88.7
3.1	89.4	1.9	90.2	90.6	90.6	90.6	90.7	90.8	90.8	91.0
	91.7	2.	92.7	93.1	93.1	93.2	93.2	93.3	93.3	93.5
4.9										
5.5	93.5	94.1	94.5	94.9	95.0	95.0	95.1	95.1	95.2	95.3
6.1	94.0	94.7	95.1	95.5	95.6	95.6	95.7	95.7	95.8	95.9
7.2	94.6	95.3	95.7	96.1	96.2	96.2	96.3	96.4	96.4	96.6
8.0	95.6	96.3	96.7	97.2	97.3	97.3	97.4	97.4	97.5	97.6
	96.3	97.1	97.5	98.0	98.1	98.2	98.2	98.3	98.3	98.5
8.4										
8.9	96.5	97.4	97.9	98.4	98.5	98.6	98.6	98.7	98.7	98.9
9.1	96.7	97.7	98.3	98.9	99.0	99.0	99.1	99.2	99.2	99.4
9.2	96.7	97.9	98.5	99.1	99.2	99.3	99.4	99.5	99.5	99.7
9.2	96.8	97.9	98.5	99.2	99.4	99.4	99.5	99.6	99.7	99.9
	96.8	98.0	98.6	99.2	99.4	99.5	99.6	99.7	99.8	100.0
9.4										
...2	96.8	98.0	98.6	99.2	99.4	99.5	99.6	99.7	99.8	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	5.6	48.2	49.0	54.4	55.7	55.7	55.7	55.8	55.
GE 20000	7.3	52.5	53.4	59.2	61.1	61.4	61.4	61.5	61.
GE 18000	7.3	52.5	53.4	59.2	61.1	61.4	61.4	61.5	61.
GE 16000	7.3	52.5	53.4	59.2	61.1	61.4	61.4	61.5	61.
GE 14000	7.6	52.8	53.7	59.5	61.4	61.7	61.7	61.8	61.
GE 12000	7.9	53.5	54.4	60.2	62.1	62.4	62.4	62.6	62.
GE 10000	7.9	56.1	57.2	63.5	65.4	65.6	65.6	65.8	65.
GE 9000	7.9	56.3	57.3	63.6	65.5	65.8	65.8	65.9	65.
GE 8000	7.9	57.3	58.5	64.9	66.8	67.1	67.1	67.3	67.
GE 7000	7.9	58.5	59.6	66.1	68.0	68.3	68.3	68.4	68.
GE 6000	7.9	59.8	61.0	67.8	69.7	70.0	70.0	70.2	70.
GE 5000	8.9	65.9	67.1	74.4	76.8	77.0	77.0	77.2	77.
GE 4500	9.2	67.7	68.9	76.2	78.5	78.8	78.8	78.9	78.
GE 4000	9.2	71.2	72.4	79.8	82.2	82.5	82.5	82.6	82.
GE 3500	9.2	73.2	74.7	82.5	84.8	85.1	85.1	85.2	85.
GE 3000	9.4	75.7	77.2	85.1	87.4	87.7	87.7	87.9	87.
GE 2500	9.4	76.5	77.9	85.8	88.2	88.5	88.5	88.6	88.
GE 2000	10.1	78.5	80.0	87.9	90.2	90.5	90.5	90.6	90.
GE 1800	10.4	79.4	80.8	88.7	91.1	91.4	91.4	91.5	91.
GE 1500	10.5	80.7	82.3	90.2	92.5	92.8	92.8	93.0	93.
GE 1200	11.5	82.3	83.9	91.8	94.2	94.4	94.4	94.6	94.
GE 1000	12.0	83.9	85.5	93.4	96.1	96.3	96.3	96.5	96.
GE 900	12.1	84.8	86.4	94.3	96.9	97.2	97.2	97.4	97.
GE 800	12.1	85.1	86.7	94.6	97.2	97.5	97.7	97.8	97.
GE 700	12.1	85.2	86.8	94.7	97.5	97.8	98.0	98.1	98.
GE 600	12.1	85.7	87.3	95.2	98.0	98.2	98.4	98.5	98.
GE 500	12.1	85.8	87.4	95.3	98.1	98.4	98.8	99.0	99
GE 400	12.1	85.8	87.4	95.3	98.1	98.4	98.8	99.0	99
GE 300	12.1	85.8	87.4	95.3	98.1	98.4	99.0	99.1	99
GE 200	12.1	85.8	87.4	95.3	98.1	98.4	99.0	99.1	99
GE 100	12.1	85.8	87.4	95.3	98.1	98.4	99.0	99.1	99
GE 0	12.1	85.8	87.4	95.3	98.1	98.4	99.0	99.1	99

TOTAL NUMBER OF OBSERVATIONS: 684

LIN ENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
NS FROM HOURLY OBSERVATIONS

RAF FAIRFORD UK

PERIOD OF RECORD: 75-76,81-86
MONTH: JUL HOURS(LST): 0000-0200

ME	VISIBILITY IN HUNDREDS OF METERS											
:	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
16	48	40	32	24	20	16	12	10	8	5	4	0
.8	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	56.1	56.3	56.3
.5	61.1	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.8	62.0	62.0
.5	61.1	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.8	62.0	62.0
.5	61.1	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.8	62.0	62.0
.8	61.4	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	62.1	62.3	62.3
.6	62.1	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.9	63.0	63.0
.8	65.4	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	66.1	66.2	66.2
.9	65.5	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.2	66.4	66.4
.3	66.8	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.5	67.7	67.7
.4	68.0	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.7	68.9	68.9
.2	69.7	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.5	70.6	70.6
.2	76.8	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.5	77.6	77.6
.9	78.5	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	79.2	79.4	79.4
.6	82.2	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.9	83.0	83.0
.2	84.8	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.5	85.7	85.7
.9	87.4	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	88.2	88.3	88.3
.6	88.2	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.9	89.0	89.0
.6	90.2	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.9	91.1	91.1
.5	91.1	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.8	92.0	92.0
.0	92.5	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.3	93.4	93.4
.6	94.2	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.9	95.0	95.0
.5	96.1	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.8	96.9	96.9
.4	96.9	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.7	97.8	97.8
.8	97.2	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	98.1	98.2	98.2
.1	97.5	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.5	98.5
.5	98.0	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.8	99.0	99.0
.0	98.1	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.4	99.4
.0	98.1	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.4	99.4
.3	98.1	98.4	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.6	99.7	99.7
.3	98.1	98.4	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.6	99.7	99.7
.3	98.1	98.4	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.6	99.7	100.0
.3	98.1	98.4	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.6	99.7	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	3.7	28.5	29.6	33.7	36.9	38.1	39.0	40.0	41.4
GE 20000	4.9	33.1	34.7	39.0	42.4	43.7	44.9	45.9	47.3
GE 18000	4.9	33.1	34.7	39.0	42.4	43.7	44.9	45.9	47.3
GE 16000	4.9	33.1	34.7	39.0	42.4	43.7	44.9	45.9	47.3
GE 14000	5.1	33.3	34.8	39.3	42.7	44.0	45.2	46.2	47.6
GE 12000	5.6	34.8	36.4	40.9	44.2	45.5	46.9	47.9	49.3
GE 10000	5.8	37.9	39.5	44.7	48.2	49.4	50.8	51.8	53.2
GE 9000	5.9	38.5	40.2	45.5	49.0	50.3	51.7	52.7	54.1
GE 8000	5.9	40.4	42.1	47.8	51.5	52.8	54.6	55.8	57.4
GE 7000	5.9	41.0	42.7	48.3	52.2	53.5	55.3	56.5	58.1
GE 6000	5.9	42.1	43.8	49.4	53.5	54.8	56.6	57.9	59.6
GE 5000	6.3	46.3	48.2	54.1	58.1	59.4	61.4	62.6	64.5
GE 4500	6.3	47.9	49.7	55.9	60.0	61.2	63.3	64.6	66.4
GE 4000	6.7	50.7	52.5	59.0	63.1	64.3	66.4	67.8	69.7
GE 3500	6.7	52.4	54.2	61.0	65.0	66.3	68.4	69.8	71.6
GE 3000	6.9	55.2	57.0	63.8	68.1	69.4	71.6	73.0	74.9
GE 2500	7.0	56.3	58.3	65.0	69.4	70.6	72.9	74.3	76.3
GE 2000	7.3	59.6	61.7	68.4	72.9	74.2	76.7	78.1	80.3
GE 1800	7.4	60.1	62.2	69.0	73.5	74.7	77.2	78.7	80.6
GE 1500	7.4	61.8	63.9	70.6	75.3	76.5	79.1	80.5	82.4
GE 1200	8.0	63.9	66.0	72.9	77.5	78.8	81.3	82.7	84.7
GE 1000	8.3	66.2	68.4	75.3	79.9	81.2	83.7	85.3	87.3
GE 900	8.3	66.9	69.1	76.0	80.6	81.9	84.4	86.0	87.9
GE 800	8.7	67.8	70.1	77.0	81.6	82.9	85.4	86.9	88.9
GE 700	8.8	68.8	71.2	78.2	82.9	84.1	86.7	88.2	90.2
GE 600	8.8	69.5	71.9	79.2	83.8	85.1	87.6	89.2	91.2
GE 500	8.8	69.7	72.1	79.6	84.3	85.5	88.1	89.6	91.6
GE 400	8.8	69.7	72.1	79.8	84.4	85.7	88.2	90.2	92.2
GE 300	8.8	69.8	72.2	79.9	84.6	85.8	88.3	90.3	92.3
GE 200	8.8	69.8	72.2	80.1	84.7	86.1	88.6	90.6	92.6
GE 100	8.8	69.8	72.2	80.1	84.7	86.1	88.6	90.6	92.6
GE 0	8.8	69.8	72.2	80.1	84.7	86.1	88.6	90.6	92.6

TOTAL NUMBER OF OBSERVATIONS: 712

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): 0300-0500

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
1	39.0	40.0	41.4	42.7	43.3	43.7	43.7	44.2	44.4	44.8
7	44.9	45.9	47.3	48.6	49.2	49.7	49.7	50.3	50.4	50.8
7	44.9	45.9	47.3	48.6	49.2	49.7	49.7	50.3	50.4	50.8
7	44.9	45.9	47.3	48.6	49.2	49.7	49.7	50.3	50.4	50.8
C	45.2	46.2	47.6	48.9	49.4	50.0	50.0	50.6	50.7	51.1
5	46.9	47.9	49.3	50.6	51.1	51.7	51.7	52.2	52.4	52.8
4	50.8	51.8	53.2	54.6	55.2	55.8	55.8	56.3	56.5	56.9
3	51.7	52.7	54.1	55.8	56.3	56.9	56.9	57.4	57.6	58.0
8	54.6	55.8	57.4	59.1	59.7	60.3	60.3	60.8	61.0	61.5
5	55.3	56.5	58.1	59.8	60.4	61.0	61.0	61.5	61.7	62.2
8	56.6	57.9	59.6	61.2	61.8	62.4	62.4	62.9	63.1	63.6
4	61.4	62.6	64.5	66.2	66.9	67.4	67.4	68.1	68.3	68.8
2	63.3	64.6	66.4	68.1	68.8	69.4	69.4	70.1	70.2	70.8
3	66.4	67.8	69.7	71.6	72.3	73.0	73.2	73.9	74.0	74.6
3	68.4	69.8	71.6	73.6	74.3	75.0	75.1	75.8	76.0	76.5
4	71.6	73.0	74.9	76.8	77.5	78.2	78.4	79.1	79.2	79.8
6	72.9	74.3	76.3	78.2	78.9	79.6	79.8	80.5	80.6	81.2
2	76.7	78.1	80.1	82.0	82.7	83.4	83.6	84.3	84.4	85.0
7	77.2	78.7	80.6	82.6	83.3	84.0	84.1	84.8	85.0	85.5
5	79.1	80.5	82.4	84.4	85.1	85.8	86.0	86.7	86.8	87.4
8	81.3	82.7	84.7	86.7	87.4	88.1	88.2	88.9	89.0	89.6
2	83.7	85.3	87.2	89.2	89.9	90.6	90.7	91.4	91.6	92.1
9	84.4	86.0	87.9	89.9	90.6	91.3	91.4	92.1	92.3	92.8
9	85.4	86.9	88.9	90.9	91.6	92.3	92.4	93.1	93.3	93.8
1	86.7	88.2	90.2	92.1	92.8	93.5	93.7	94.4	94.5	95.1
1	87.6	89.2	91.2	93.5	94.2	94.9	95.1	95.8	95.9	96.5
5	88.1	89.6	91.6	94.2	94.9	95.6	95.8	96.6	96.8	97.3
7	88.2	90.2	92.1	94.9	95.6	96.3	96.5	97.3	97.5	98.0
8	88.3	90.3	92.3	95.1	95.8	96.5	96.6	97.5	97.6	98.2
1	88.6	90.6	92.6	95.8	96.6	97.3	97.5	98.3	98.6	99.4
1	88.6	90.6	92.6	95.9	96.8	97.5	97.6	98.5	98.7	100.0
1	88.6	90.6	92.6	95.9	96.8	97.5	97.6	98.5	98.7	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN FUNDI GE 32	GE 24	GE
NO CEIL	3.8	24.9	25.8	30.7	32.9	33.2	34.1	34.9	35
GE 20000	5.4	29.9	31.1	36.4	38.9	39.3	40.3	41.1	42
GE 18000	5.4	29.9	31.1	36.4	38.9	39.3	40.3	41.1	42
GE 16000	5.4	29.9	31.1	36.4	38.9	39.3	40.3	41.1	42
GE 14000	5.5	30.2	31.3	36.8	39.3	39.7	40.7	41.5	42
GE 12000	5.6	31.1	32.2	38.0	40.5	40.9	41.9	42.7	44
GE 10000	5.9	34.6	35.9	42.4	44.9	45.3	46.3	47.1	48
GE 9000	5.9	35.2	36.6	43.2	45.7	46.1	47.1	47.9	49
GE 8000	5.9	37.1	38.5	45.7	48.7	49.1	50.1	50.9	52
GE 7000	5.9	37.6	39.0	46.3	49.3	49.7	50.8	51.6	53
GE 6000	6.1	38.8	40.3	48.0	51.0	51.4	52.5	53.3	54
GE 5000	6.4	42.3	44.1	52.2	55.4	55.9	56.9	57.7	59
GE 4500	6.5	43.7	45.6	53.9	57.2	57.7	58.7	59.5	61
GE 4000	6.8	46.5	48.3	57.2	60.6	61.1	62.3	63.1	65
GE 3500	6.8	49.1	50.9	60.2	63.7	64.2	65.4	66.2	68
GE 3000	6.8	51.8	53.8	63.4	67.0	67.5	68.8	69.7	71
GE 2500	6.8	53.0	55.0	64.6	68.3	68.8	70.1	71.0	73
GE 2000	7.6	58.1	60.4	70.4	74.2	74.7	76.0	76.9	79
GE 1800	7.7	58.7	61.1	71.0	74.8	75.3	76.6	77.5	79
GE 1500	8.7	61.6	64.0	73.9	78.1	78.6	79.9	81.1	83
GE 1200	9.5	64.9	67.2	77.3	81.5	82.0	83.3	84.5	86
GE 1000	9.7	65.9	68.5	78.9	83.2	83.7	85.0	86.2	88
GE 900	9.7	66.6	69.3	79.6	83.9	84.5	85.8	86.9	89
GE 800	9.7	67.0	69.8	80.3	85.2	85.8	87.1	88.4	91
GE 700	9.8	68.0	70.9	82.0	87.1	87.6	88.9	90.2	92
GE 600	9.8	68.0	70.9	82.0	87.1	87.6	89.2	90.5	92
GE 500	9.8	68.0	71.0	82.1	87.6	88.1	89.7	91.0	93
GE 400	9.8	68.0	71.0	82.1	87.7	88.3	89.9	91.4	93
GE 300	9.8	68.0	71.0	82.1	87.7	88.3	89.9	91.4	94
GE 200	9.8	68.0	71.0	82.1	87.7	88.3	89.9	91.5	94
GE 100	9.8	68.0	71.0	82.1	87.7	88.3	89.9	91.5	94
GE 0	9.8	68.0	71.0	82.1	87.7	88.3	89.9	91.5	9

TOTAL NUMBER OF OBSERVATIONS: 766

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): 0600-0800

C	VISIBILITY IN HUNDREDS OF METERS GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
2	34.1	34.9	35.9	37.2	37.6	37.6	37.6	38.0	38.1	38.1
3	40.3	41.1	42.4	44.0	44.5	44.5	44.5	44.9	45.0	45.3
3	40.3	41.1	42.4	44.0	44.5	44.5	44.5	44.9	45.0	45.3
3	40.3	41.1	42.4	44.0	44.5	44.5	44.5	44.9	45.0	45.3
7	40.7	41.5	42.8	44.4	44.9	44.9	44.9	45.3	45.4	45.7
9	41.9	42.7	44.0	45.6	46.1	46.1	46.1	46.5	46.6	46.9
3	46.3	47.1	48.6	50.1	50.7	50.7	50.7	51.0	51.2	51.4
1	47.1	47.9	49.3	51.3	51.8	51.8	51.8	52.2	52.3	52.6
1	50.1	50.9	52.3	54.3	55.0	55.0	55.0	55.4	55.5	55.7
7	50.8	51.6	53.0	55.0	55.6	55.6	55.6	56.0	56.1	56.4
4	52.5	53.3	54.7	56.7	57.3	57.3	57.3	57.7	57.8	58.1
9	56.9	57.7	59.7	62.0	62.7	62.7	62.7	63.1	63.2	63.4
7	58.7	59.5	61.5	63.8	64.5	64.5	64.5	64.9	65.0	65.3
1	62.3	63.1	65.0	67.5	68.1	68.1	68.1	68.5	68.7	68.9
2	65.4	66.2	68.1	70.6	71.3	71.3	71.3	71.7	71.8	72.1
5	68.8	69.7	71.8	74.4	75.1	75.1	75.1	75.5	75.6	75.8
8	70.1	71.0	73.1	75.7	76.4	76.4	76.4	76.8	76.9	77.2
7	76.0	76.9	79.0	81.6	82.2	82.2	82.2	82.6	82.8	83.0
3	76.6	77.5	79.6	82.2	82.9	82.9	82.9	83.3	83.4	83.7
6	79.9	81.1	83.3	85.9	86.6	86.6	86.6	86.9	87.1	87.3
0	83.3	84.5	86.7	89.3	89.9	89.9	89.9	90.3	90.5	90.7
7	85.0	86.2	88.4	91.0	91.6	91.6	91.6	92.0	92.2	92.4
5	35.8	86.9	89.2	91.8	92.4	92.4	92.4	92.8	93.0	93.2
8	87.1	88.4	90.7	93.5	94.1	94.1	94.1	94.5	94.6	94.9
6	88.9	90.2	92.6	95.3	96.0	96.0	96.0	96.3	96.5	96.7
6	89.2	90.5	92.8	95.6	96.2	96.2	96.2	96.6	96.7	97.0
1	89.7	91.0	93.5	96.3	97.0	97.0	97.0	97.4	97.5	97.8
3	89.9	91.4	93.9	96.7	97.4	97.4	97.4	97.8	97.9	98.2
3	89.9	91.4	94.0	97.0	97.7	97.8	97.8	98.4	98.6	98.8
3	89.9	91.5	94.1	97.1	97.9	98.0	98.2	98.8	99.2	99.5
3	89.9	91.5	94.1	97.1	97.9	98.0	98.2	98.8	99.2	99.9
3	89.9	91.5	94.1	97.1	97.9	98.0	98.3	99.0	99.3	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRE
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
					VISIBILITY IN HU			
NO CEIL	3.5	30.7	31.4	34.2	34.3	34.5	34.8	35.1
GE 20000	5.5	36.8	37.5	40.6	40.8	40.9	41.3	41.5
GE 18000	5.5	36.8	37.5	40.6	40.8	40.9	41.3	41.5
GE 16000	5.7	37.0	37.8	40.9	41.0	41.2	41.5	41.8
GE 14000	5.8	37.3	38.1	41.2	41.3	41.4	41.8	42.1
GE 12000	5.9	38.1	38.8	42.6	42.7	42.8	43.2	43.5
GE 10000	6.1	41.4	42.2	47.0	47.1	47.2	47.6	47.9
GE 9000	6.2	42.3	43.1	47.9	48.0	48.1	48.5	48.8
GE 8000	6.2	43.7	44.6	50.6	50.7	50.8	51.2	51.5
GE 7000	6.2	44.4	45.3	51.2	51.4	51.5	51.9	52.1
GE 6000	6.2	44.6	45.5	51.5	51.6	51.7	52.1	52.4
GE 5000	7.6	50.2	51.2	57.4	57.5	57.7	58.2	58.5
GE 4500	8.0	53.8	54.8	61.2	61.4	61.5	62.3	62.6
GE 4000	8.6	59.4	60.4	67.0	67.2	67.4	68.3	68.5
GE 3500	9.3	62.2	63.2	69.8	70.1	70.2	71.1	71.4
GE 3000	9.5	70.6	71.7	78.8	79.1	79.2	80.1	80.5
GE 2500	10.2	73.4	74.6	81.9	82.2	82.3	83.2	83.6
GE 2000	11.7	77.7	79.1	86.6	86.8	87.0	87.9	88.3
GE 1800	12.0	78.3	79.7	87.2	87.5	87.6	88.5	88.9
GE 1500	13.2	81.4	82.8	90.6	91.1	91.2	92.1	92.5
GE 1200	13.3	83.6	85.2	93.5	94.2	94.3	95.4	95.7
GE 1000	13.3	83.9	85.5	93.9	94.6	94.7	95.7	96.1
GE 900	13.3	84.0	85.7	94.2	95.0	95.1	96.1	96.5
GE 800	13.3	84.8	86.5	95.0	96.1	96.3	97.3	97.8
GE 700	13.3	84.8	86.5	95.1	96.3	96.4	97.4	97.9
GE 600	13.3	84.8	86.5	95.4	96.6	96.8	97.8	98.5
GE 500	13.3	84.8	86.5	95.5	96.8	96.9	97.9	98.7
GE 400	13.3	84.8	86.5	95.5	96.8	96.9	97.9	98.7
GE 300	13.3	84.8	86.5	95.5	96.8	96.9	97.9	98.7
GE 200	13.3	84.8	86.5	95.5	96.8	96.9	97.9	98.7
GE 100	13.3	84.8	86.5	95.5	96.8	96.9	97.9	98.7
GE 0	13.3	84.8	86.5	95.5	96.8	96.9	97.9	98.7

TOTAL NUMBER OF OBSERVATIONS: 775

CEI
ATIO

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIRFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): 0900-1100

S OF
GE

	VISIBILITY IN HUNDREDS OF METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
35	34.5	34.8	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
41											
41	40.9	41.3	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
41	40.9	41.3	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
42	41.2	41.5	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
43	41.4	41.8	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
	42.8	43.2	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
48											
48	47.2	47.6	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
52	48.1	48.5	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
52	50.8	51.2	51.5	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0
52	51.5	51.9	52.1	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6
	51.7	52.1	52.4	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9
59											
63	57.7	58.2	58.5	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0
69	61.5	62.3	62.6	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1
71	67.4	68.3	68.5	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0
81	70.2	71.1	71.4	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9
	79.2	80.1	80.5	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0
84											
88	82.3	83.2	83.6	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1
89	87.0	87.9	88.3	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9
93	87.6	88.5	88.9	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
96	91.2	92.1	92.5	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4
	94.3	95.4	95.7	96.1	96.6	96.8	96.8	96.8	96.8	96.8	96.8
97											
97	94.7	95.7	96.1	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2
98	95.1	96.1	96.5	96.9	97.4	97.5	97.5	97.5	97.5	97.5	97.5
99	96.3	97.3	97.8	98.3	98.8	99.0	99.0	99.0	99.0	99.0	99.0
99	96.4	97.4	97.9	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1
	96.8	97.8	98.5	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6
99											
99	96.9	97.9	98.7	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9
99	96.9	97.9	98.7	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
99	96.9	97.9	98.7	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
99	96.9	97.9	98.7	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	96.9	97.9	98.7	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
99											
	96.9	97.9	98.7	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRE
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN H: GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
NO CEIL	4.9	33.7	33.8	35.9	36.1	36.1	36.2	36.6
GE 20000	6.1	38.9	39.2	41.4	41.6	41.6	41.7	42.1
GE 18000	6.1	38.9	39.2	41.4	41.6	41.6	41.7	42.1
GE 16000	6.3	39.3	39.6	41.8	42.0	42.0	42.1	42.5
GE 14000	6.3	39.6	39.9	42.1	42.2	42.2	42.4	42.8
GE 12000	6.6	41.3	41.6	44.3	44.9	44.9	45.0	45.4
GE 10000	7.1	45.7	45.9	48.9	49.5	49.5	49.6	50.0
GE 9000	7.1	46.3	46.6	49.7	50.3	50.3	50.4	50.8
GE 8000	7.2	49.9	50.1	53.7	54.5	54.5	54.6	55.0
GE 7000	7.2	50.5	50.8	54.3	55.1	55.1	55.3	55.7
GE 6000	7.9	52.1	52.4	55.9	56.7	56.7	56.8	57.2
GE 5000	9.5	60.4	60.8	64.5	65.3	65.3	65.4	65.8
GE 4500	9.9	66.2	66.6	70.3	71.1	71.1	71.2	71.6
GE 4000	10.0	72.4	72.9	76.7	77.5	77.5	77.6	78.0
GE 3500	11.1	77.4	77.9	81.7	82.5	82.5	82.6	83.0
GE 3000	12.2	85.8	86.3	90.1	90.9	90.9	91.3	91.7
GE 2500	12.9	87.6	88.2	92.1	92.9	92.9	93.3	93.7
GE 2000	13.8	90.3	90.8	94.9	95.7	95.7	96.1	96.6
GE 1800	14.2	90.8	91.3	95.5	96.3	96.3	96.7	97.2
GE 1500	14.3	91.7	92.4	96.8	97.6	97.6	98.0	98.6
GE 1200	14.3	92.2	92.9	97.5	98.3	98.4	98.8	99.5
GE 1000	14.3	92.2	92.9	97.5	98.3	98.4	98.8	99.5
GE 900	14.3	92.2	93.0	97.8	98.6	98.7	99.1	99.7
GE 800	14.3	92.4	93.2	97.9	98.7	98.8	99.2	99.9
GE 700	14.3	92.4	93.2	97.9	98.7	98.8	99.2	99.9
GE 600	14.3	92.4	93.2	97.9	98.7	98.8	99.2	99.9
GE 500	14.3	92.4	93.2	97.9	98.7	98.8	99.2	99.9
GE 400	14.3	92.4	93.2	97.9	98.7	98.8	99.2	99.9
GE 300	14.3	92.4	93.2	97.9	98.7	98.8	99.2	99.9
GE 200	14.3	92.4	93.2	97.9	98.7	98.8	99.2	99.9
GE 100	14.3	92.4	93.2	97.9	98.7	98.8	99.2	99.9
GE 0	14.3	92.4	93.2	97.9	98.7	98.8	99.2	99.9

TOTAL NUMBER OF OBSERVATIONS: 760

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

LRFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): 1200-1400

VISIBILITY IN HUNDREDS OF METERS										
GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
36.1	36.2	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
41.6	41.7	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
41.6	41.7	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
42.0	42.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
42.2	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
44.9	45.0	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
49.5	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
50.3	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
54.5	54.6	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
55.1	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
56.7	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
65.3	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
71.1	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
77.5	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
82.5	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
91.0	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
92.9	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
95.7	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
96.3	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
97.6	98.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
98.4	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
98.4	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
98.7	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUND GE 32	GE 24	G
NO CEIL	4.2	34.6	35.1	36.3	36.3	36.3	36.3	36.3	36
GE 20000	6.1	42.8	43.4	44.7	44.8	44.8	44.8	44.8	44
GE 18000	6.1	42.8	43.4	44.7	44.8	44.8	44.8	44.8	44
GE 16000	6.1	43.0	43.5	44.8	45.0	45.0	45.0	45.0	45
GE 14000	6.4	43.8	44.3	45.6	45.8	45.8	45.8	45.8	45
GE 12000	6.9	45.6	46.2	47.9	48.0	48.0	48.0	48.0	48
GE 10000	7.4	49.7	50.3	52.3	52.4	52.4	52.4	52.4	52
GE 9000	7.4	50.5	51.1	53.2	53.3	53.3	53.3	53.3	53
GE 8000	7.4	54.5	55.2	57.4	58.0	58.0	58.0	58.0	58
GE 7000	7.6	55.6	56.4	58.6	59.2	59.2	59.2	59.2	59
GE 6000	9.0	59.2	59.9	62.2	62.7	62.7	62.7	62.7	62
GE 5000	10.9	71.2	72.0	74.3	74.8	74.8	74.8	74.8	74
GE 4500	10.9	76.9	77.7	80.0	80.5	80.5	80.5	80.5	80
GE 4000	11.1	83.0	83.8	86.3	86.9	86.9	86.9	86.9	86
GE 3500	12.3	86.6	87.4	89.9	90.5	90.6	90.6	90.6	90
GE 3000	13.4	91.1	92.2	94.7	95.2	95.4	95.6	95.6	95
GE 2500	13.8	91.6	92.7	95.2	95.8	95.9	96.2	96.2	96
GE 2000	14.1	92.8	94.0	96.6	97.2	97.3	98.0	98.0	98
GE 1800	14.1	93.1	94.3	96.8	97.5	97.6	98.3	98.3	98
GE 1500	14.3	93.8	95.0	97.5	98.1	98.3	99.1	99.1	99
GE 1200	14.3	94.3	95.5	98.4	99.1	99.2	100.0	100.0	100
GE 1000	14.3	94.3	95.5	98.4	99.1	99.2	100.0	100.0	100
GE 900	14.3	94.3	95.5	98.4	99.1	99.2	100.0	100.0	100
GE 800	14.3	94.3	95.5	98.4	99.1	99.2	100.0	100.0	100
GE 700	14.3	94.3	95.5	98.4	99.1	99.2	100.0	100.0	100
GE 600	14.3	94.3	95.5	98.4	99.1	99.2	100.0	100.0	100
GE 500	14.3	94.3	95.5	98.4	99.1	99.2	100.0	100.0	100
GE 400	14.3	94.3	95.5	98.4	99.1	99.2	100.0	100.0	100
GE 300	14.3	94.3	95.5	98.4	99.1	99.2	100.0	100.0	100
GE 200	14.3	94.3	95.5	98.4	99.1	99.2	100.0	100.0	100
GE 100	14.3	94.3	95.5	98.4	99.1	99.2	100.0	100.0	100
GE 0	14.3	94.3	95.5	98.4	99.1	99.2	100.0	100.0	100

TOTAL NUMBER OF OBSERVATIONS: 754

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ON

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): 1500-1700

F GE 1 0	VISIBILITY IN HUNDREDS OF METERS GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
6. 3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
4. 8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
4. 8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
5. 0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
5. 8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
8. 0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
2. 4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
3. 3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
8. 0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
9. 2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
2. 7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
4. 8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
0. 5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
6. 9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
0. 6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
5. 4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
6. 8. 9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
8. 3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
9. 6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0. 3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10. 0. .2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0. .2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0. .2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0. .2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0. 0. .2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0. .2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0. .2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0. .2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10. .. .2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	1.2	44.9	46.3	48.3	48.3	48.3	48.3	48.3	48
GE 20000	1.7	52.7	54.1	56.7	56.7	56.7	56.7	56.7	56
GE 18000	1.7	52.7	54.1	56.7	56.7	56.7	56.7	56.7	56
GE 16000	1.7	52.9	54.2	56.9	56.9	56.9	56.9	56.9	56
GE 14000	1.7	53.7	55.1	57.7	57.7	57.7	57.7	57.7	57
GE 12000	1.7	55.6	56.9	59.9	59.9	59.9	59.9	59.9	59
GE 10000	2.0	60.2	61.5	64.8	64.8	64.8	64.8	64.8	64
GE 9000	2.0	61.0	62.5	65.8	65.8	65.8	65.8	65.8	65
GE 8000	2.0	64.7	66.5	69.8	70.0	70.0	70.1	70.1	70
GE 7000	2.5	66.3	68.2	71.5	71.6	71.6	71.8	71.8	71
GE 6000	3.2	69.0	70.8	74.1	74.5	74.5	74.6	74.6	74
GE 5000	3.2	77.1	78.9	82.6	82.9	82.9	83.1	83.1	83
GE 4500	3.2	80.6	82.6	86.4	86.7	86.7	86.9	86.9	86
GE 4000	3.5	87.1	89.1	93.0	93.4	93.4	93.5	93.5	93
GE 3500	3.6	89.4	91.4	95.9	96.2	96.2	96.4	96.4	96
GE 3000	3.6	90.2	92.2	96.7	97.0	97.0	97.2	97.2	97
GE 2500	3.6	90.4	92.4	96.8	97.2	97.2	97.3	97.3	97
GE 2000	3.6	91.4	93.4	98.0	98.3	98.3	98.5	98.5	98
GE 1800	3.6	91.4	93.4	98.0	98.3	98.3	98.5	98.5	98
GE 1500	3.6	91.4	93.4	98.0	98.3	98.3	98.5	98.5	98
GE 1200	3.6	92.4	94.4	99.2	99.5	99.5	99.7	99.7	99
GE 1000	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
GE 900	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
GE 800	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
GE 700	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
GE 600	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
GE 500	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
GE 400	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
GE 300	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
GE 200	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
GE 100	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100
GE 0	3.6	92.4	94.4	99.5	99.8	99.8	100.0	100.0	100

TOTAL NUMBER OF OBSERVATIONS: 603

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): 1800-2000

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS									
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
18.											
	6.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
56.											
56.	6.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
56.	6.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
57.	6.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
59.	7.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
	9.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
64.											
65.	4.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
70.	5.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
71.	0.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
74.	1.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
	4.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
83.											
86.	2.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
93.	6.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
96.	3.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
97.	6.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
	7.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
97.											
98.	7.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
98.	8.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
98.	8.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
99.	8.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
	9.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
00.											
00.	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
00.	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
00.	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
00.	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
00.											
00.	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
00.	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
00.	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
00.	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
00.											
..	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUNDRE GE 32	GE 24	GE 20
NO CEIL	2.6	51.3	52.2	55.3	55.3	55.3	55.3	55.4	55.4
GE 20000	4.5	57.5	58.8	62.0	62.0	62.0	62.0	62.1	62.1
GE 18000	4.5	57.5	58.8	62.0	62.0	62.0	62.0	62.1	62.1
GE 16000	4.5	57.5	59.6	62.0	62.0	62.0	62.0	62.1	62.1
GE 14000	4.5	57.5	58.8	62.0	62.0	62.0	62.0	62.1	62.1
GE 12000	4.6	58.0	59.3	62.5	62.5	62.5	62.5	62.6	62.6
GE 10000	4.8	61.2	62.5	66.1	66.1	66.1	66.1	66.3	66.3
GE 9000	4.8	62.3	63.6	67.3	67.3	67.3	67.3	67.4	67.4
GE 8000	4.8	65.3	66.8	70.8	70.8	70.8	70.8	71.1	71.1
GE 7000	4.8	66.5	67.9	71.9	71.9	71.9	71.9	72.2	72.2
GE 6000	5.4	68.7	70.1	74.1	74.1	74.1	74.1	74.4	74.4
GE 5000	5.6	76.4	77.8	81.9	81.9	81.9	81.9	82.3	82.3
GE 4500	6.4	79.4	81.2	85.8	85.8	85.8	85.8	86.1	86.1
GE 4000	6.9	83.9	85.8	90.6	90.6	90.6	90.6	90.9	90.9
GE 3500	6.9	85.0	86.9	91.7	91.7	91.7	91.7	92.0	92.0
GE 3000	6.9	87.1	89.0	93.8	93.8	93.8	93.8	94.1	94.1
GE 2500	6.9	87.2	89.1	93.9	93.9	93.9	93.9	94.2	94.2
GE 2000	7.5	88.3	90.3	95.0	95.0	95.0	95.0	95.4	95.4
GE 1800	7.8	88.7	90.6	95.4	95.4	95.4	95.4	95.7	95.7
GE 1500	7.8	89.1	91.1	95.8	95.8	95.8	95.8	96.2	96.2
GE 1200	8.0	90.6	92.5	97.4	97.4	97.4	97.4	97.8	97.8
GE 1000	8.0	91.9	93.8	98.9	98.9	98.9	98.9	99.2	99.2
GE 900	8.0	91.9	93.8	98.9	98.9	98.9	98.9	99.2	99.2
GE 800	8.1	92.2	94.1	99.2	99.2	99.2	99.2	99.5	99.5
GE 700	8.1	92.2	94.1	99.2	99.2	99.2	99.2	99.5	99.5
GE 600	8.1	92.3	94.2	99.4	99.4	99.4	99.4	99.7	99.7
GE 500	8.1	92.3	94.2	99.4	99.4	99.4	99.4	99.7	99.7
GE 400	8.1	92.3	94.2	99.4	99.4	99.4	99.4	99.7	99.7
GE 300	8.1	92.3	94.2	99.4	99.4	99.4	99.5	99.8	99.8
GE 200	8.1	92.3	94.2	99.4	99.4	99.4	99.5	99.8	99.8
GE 100	8.1	92.3	94.2	99.4	99.4	99.4	99.5	99.8	99.8
GE 0	8.1	92.3	94.2	99.4	99.4	99.4	99.5	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 626

ING
S ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

D UK

PERIOD OF RECORD: 75-76,81-86
MONTH: JUL HOURS(LST): 2100-2300

MET	VISIBILITY IN HUNDREDS OF METERS									
6	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
4	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
3	62.0	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3
3	62.0	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3
3	62.0	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3
.3	62.0	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3
.8	62.5	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
.5	66.1	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5
.6	67.3	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6
.2	70.8	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
.4	71.9	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4
.6	74.1	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6
.4	81.9	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
.3	85.8	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
.1	90.6	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
.2	91.7	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
.2	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
.4	93.9	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
.5	95.0	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
.8	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
.3	95.8	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
.9	97.4	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
.4	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
.4	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
.7	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
.7	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
.8	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
.8	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
.8	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUN								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	3.7	36.5	37.2	40.4	41.3	41.5	41.8	42.2	42.
GE 20000	5.3	42.4	43.3	46.8	47.9	48.1	48.5	48.8	49.
GE 18000	5.3	42.4	43.3	46.8	47.9	48.1	48.5	48.8	49.
GE 16000	5.3	42.5	43.4	46.9	48.0	48.2	48.6	49.0	49.
GE 14000	5.4	42.8	43.8	47.3	48.4	48.6	49.0	49.3	49.
GE 12000	5.7	44.1	45.0	48.8	49.9	50.2	50.6	50.9	51.
GE 10000	6.0	47.7	48.7	53.0	54.1	54.4	54.8	55.1	55.
GE 9000	6.0	48.4	49.4	53.8	54.9	55.2	55.6	56.0	56.
GE 8000	6.0	50.9	52.1	56.9	58.2	58.5	58.9	59.3	59.
GE 7000	6.1	51.8	53.0	57.8	59.2	59.4	59.9	60.3	60.
GE 6000	6.5	53.5	54.7	59.6	61.0	61.3	61.7	62.1	62.
GE 5000	7.4	60.4	61.7	66.9	68.3	68.6	69.1	69.5	70.
GE 4500	7.7	63.8	65.1	70.4	71.9	72.2	72.7	73.2	73.
GE 4000	8.0	68.5	69.8	75.4	76.9	77.2	77.8	78.2	78.
GE 3500	8.4	71.2	72.6	78.4	79.9	80.2	80.8	81.2	81.
GE 3000	8.8	75.4	76.9	82.8	84.3	84.6	85.3	85.8	86.
GE 2500	9.0	76.5	78.0	84.0	85.5	85.8	86.5	87.0	87.
GE 2000	9.7	79.2	80.8	86.8	88.5	88.8	89.5	90.0	90.
GE 1800	9.9	79.7	81.3	87.4	89.0	89.3	90.1	90.5	91
GE 1500	10.2	81.1	82.8	88.9	90.6	90.9	91.7	92.2	92.
GE 1200	10.6	82.7	84.4	90.8	92.5	92.8	93.6	94.2	94
GE 1000	10.7	83.5	85.2	91.7	93.5	93.8	94.6	95.2	95
GE 900	10.7	83.8	85.6	92.1	93.9	94.2	95.0	95.6	96
GE 800	10.8	84.2	86.0	92.5	94.4	94.8	95.6	96.2	96
GE 700	10.8	84.5	86.3	92.9	94.9	95.2	96.0	96.6	97
GE 600	10.8	84.6	86.4	93.1	95.1	95.5	96.3	96.9	97
GE 500	10.8	84.7	86.5	93.2	95.3	95.6	96.5	97.1	97
GE 400	10.8	84.7	86.5	93.3	95.3	95.7	96.6	97.3	97
GE 300	10.8	84.7	86.5	93.3	95.4	95.7	96.6	97.3	98
GE 200	10.8	84.7	86.5	93.3	95.4	95.7	96.7	97.4	98
GE 100	10.8	84.7	86.5	93.3	95.4	95.7	96.7	97.4	98
GE 0	10.8	84.7	86.5	93.3	95.4	95.7	96.7	97.4	98

TOTAL NUMBER OF OBSERVATIONS: 5680

EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: JUL HOURS(LST): ALL

CEILING IN HUNDREDS OF METERS	VISIBILITY IN HUNDREDS OF METERS									
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
	41.5	41.8	42.2	42.5	42.9	43.0	43.0	43.0	43.2	43.2	43.3
	48.1	48.5	48.8	49.2	49.6	49.7	49.8	49.8	50.0	50.0	50.1
	48.1	48.5	48.8	49.2	49.6	49.7	49.8	49.8	50.0	50.0	50.1
	48.2	48.6	49.0	49.3	49.7	49.9	49.9	49.9	50.1	50.1	50.2
	48.6	49.0	49.3	49.7	50.1	50.2	50.3	50.3	50.5	50.5	50.6	
	50.2	50.6	50.9	51.3	51.7	51.8	51.9	51.9	52.1	52.1	52.2
	54.4	54.8	55.1	55.5	55.9	56.1	56.1	56.1	56.3	56.4	56.4
	55.2	55.6	56.0	56.3	56.8	57.0	57.0	57.0	57.2	57.3	57.3
	58.5	58.9	59.3	59.7	60.3	60.4	60.5	60.5	60.7	60.7	60.8
	59.4	59.9	60.3	60.7	61.2	61.4	61.5	61.5	61.6	61.7	61.8
	61.3	61.7	62.1	62.6	63.1	63.3	63.3	63.3	63.5	63.6	63.7
	69.6	69.1	69.5	70.0	70.6	70.8	70.9	70.9	71.1	71.1	71.2
	74.2	72.7	73.2	73.7	74.3	74.4	74.5	74.5	74.7	74.7	74.8
	79.2	77.8	78.2	78.7	79.4	79.6	79.6	79.7	79.8	79.9	80.0
	82.2	80.8	81.2	81.7	82.3	82.5	82.6	82.6	82.8	82.9	83.0
	87.6	85.3	85.8	86.3	87.0	87.1	87.2	87.3	87.4	87.5	87.6
	88.8	86.5	87.0	87.5	88.2	88.4	88.5	88.5	88.7	88.7	88.8
	91.8	89.5	90.0	90.6	91.3	91.4	91.5	91.5	91.7	91.8	91.9
	92.3	90.1	90.5	91.1	91.8	92.0	92.0	92.1	92.2	92.3	92.4
	93.9	91.7	92.2	92.9	93.5	93.7	93.8	93.8	94.0	94.0	94.2
	95.8	93.6	94.2	94.8	95.5	95.7	95.7	95.8	95.9	96.0	96.1
	96.8	94.6	95.2	95.8	96.5	96.7	96.8	96.8	97.0	97.0	97.1
	97.2	95.0	95.6	96.2	96.9	97.1	97.1	97.2	97.3	97.4	97.5
	97.8	95.6	96.2	96.8	97.5	97.7	97.8	97.8	98.0	98.0	98.2
	98.2	96.0	96.6	97.3	98.0	98.2	98.3	98.3	98.5	98.5	98.6
	98.5	96.3	96.9	97.6	98.3	98.5	98.6	98.6	98.8	98.9	99.0
	98.6	96.5	97.1	97.8	98.6	98.8	98.9	98.9	99.1	99.2	99.3
	98.7	96.6	97.3	97.9	98.8	99.0	99.0	99.1	99.3	99.3	99.4
	98.7	96.6	97.3	98.0	98.9	99.1	99.2	99.2	99.4	99.5	99.6
	98.7	96.7	97.4	98.0	99.0	99.2	99.3	99.3	99.6	99.7	99.8
	99.7	96.7	97.4	98.0	99.0	99.2	99.3	99.4	99.6	99.7	100.0
	99.7	96.7	97.4	98.0	99.0	99.2	99.3	99.4	99.6	99.7	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUN GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	
NO CEIL	5.4	42.7	44.4	48.1	50.0	50.3	51.1	51.9	5
GE 20000	6.3	46.8	49.1	53.2	55.2	55.4	56.4	57.2	5
GE 18000	6.3	46.8	49.1	53.2	55.2	55.4	56.4	57.2	5
GE 16000	6.3	46.8	49.1	53.2	55.2	55.4	56.4	57.2	5
GE 14000	6.3	46.8	49.1	53.2	55.2	55.4	56.4	57.2	5
GE 12000	6.6	47.4	49.7	53.7	55.7	56.0	57.0	57.7	5
GE 10000	6.9	50.4	52.7	57.6	59.7	60.3	61.3	62.0	6
GE 9000	6.9	51.3	53.6	58.5	60.6	61.2	62.2	62.9	6
GE 8000	6.9	53.6	56.3	61.7	64.0	64.6	65.6	66.3	6
GE 7000	6.9	54.6	57.3	62.8	65.0	65.6	66.6	67.5	6
GE 6000	7.3	56.4	59.2	64.8	67.0	67.6	68.6	69.5	6
GE 5000	7.3	60.9	63.8	69.6	71.9	72.5	73.5	74.4	7
GE 4500	7.3	63.3	66.2	72.5	75.2	75.9	76.9	77.8	7
GE 4000	7.7	66.9	70.1	76.5	79.7	80.4	81.4	82.2	8
GE 3500	7.7	67.9	71.1	77.5	80.7	81.4	82.4	83.2	8
GE 3000	7.7	69.9	73.2	79.7	82.8	83.5	84.8	85.8	8
GE 2500	7.7	71.9	75.2	81.7	84.8	85.5	86.8	87.8	8
GE 2000	7.7	73.5	76.8	83.2	86.5	87.4	89.0	90.0	9
GE 1800	7.7	74.2	77.5	84.1	87.4	88.3	89.8	90.8	9
GE 1500	7.7	75.4	78.9	85.8	89.3	90.1	91.8	93.3	9
GE 1200	7.7	76.8	80.5	87.7	91.1	92.0	93.7	95.1	9
GE 1000	7.9	77.5	81.2	88.4	91.8	92.7	94.4	96.1	9
GE 900	7.9	78.1	81.9	89.1	92.6	93.4	95.1	96.8	9
GE 800	7.9	78.2	82.1	89.5	93.0	93.8	95.6	97.3	9
GE 700	7.9	78.7	82.5	90.1	93.6	94.4	96.4	98.1	9
GE 600	7.9	78.7	82.5	90.1	93.6	94.4	96.4	98.1	9
GE 500	7.9	78.7	82.7	90.4	94.1	95.0	97.0	98.7	9
GE 400	7.9	78.7	82.7	90.4	94.1	95.0	97.0	98.7	9
GE 300	7.9	78.7	82.7	90.4	94.1	95.0	97.0	98.7	9
GE 200	7.9	78.7	82.7	90.4	94.1	95.0	97.0	98.7	9
GE 100	7.9	78.7	82.7	90.4	94.1	95.0	97.0	98.7	9
GE 0	7.9	78.9	83.0	90.7	94.4	95.3	97.3	99.0	9

TOTAL NUMBER OF OBSERVATIONS: 698

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 0000-0200

OF GE 1	VISIBILITY IN HUNDREDS OF METERS GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
51.	50.3	51.1	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0
57.	55.4	56.4	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.4
57.	55.4	56.4	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.4
57.	55.4	56.4	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.4
57.	55.4	56.4	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.4
57.	56.0	57.0	57.7	57.7	57.7	57.7	57.7	57.7	57.9	57.9	58.0
62.	60.3	61.3	62.0	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.6
63.	61.2	62.2	62.9	63.0	63.0	63.0	63.0	63.0	63.3	63.3	63.5
66.	64.6	65.6	66.3	66.5	66.5	66.5	66.5	66.5	66.8	66.8	66.9
67.	65.6	66.6	67.5	67.6	67.9	67.9	67.9	67.9	68.2	68.2	68.3
69.	67.6	68.6	69.5	69.6	69.9	69.9	69.9	69.9	70.2	70.2	70.3
74.	72.5	73.5	74.4	74.5	74.8	74.8	74.8	74.8	75.1	75.1	75.2
78.	75.9	76.9	77.8	77.9	78.2	78.2	78.2	78.2	78.5	78.5	78.7
82.	80.4	81.4	82.2	82.4	82.7	82.7	82.7	82.7	83.0	83.0	83.1
83.	81.4	82.4	83.2	83.4	83.7	83.7	83.7	83.7	84.0	84.0	84.1
86.	83.5	84.8	85.8	86.0	86.2	86.2	86.2	86.2	86.5	86.5	86.7
88.	85.5	86.8	87.8	88.0	88.3	88.3	88.3	88.3	88.5	88.5	88.7
90.	87.4	89.0	90.0	90.1	90.5	90.5	90.5	90.5	90.8	90.8	91.0
91.	88.3	89.8	90.8	91.0	91.4	91.4	91.4	91.4	91.7	91.7	91.8
93.	90.1	91.8	93.3	93.4	93.8	93.8	93.8	93.8	94.1	94.1	94.3
95.	92.0	93.7	95.1	95.3	95.7	95.7	95.7	95.7	96.0	96.0	96.1
96.	92.7	94.4	96.1	96.3	96.7	96.7	96.7	96.7	97.0	97.0	97.1
97.	93.4	95.1	96.8	97.0	97.4	97.4	97.4	97.4	97.7	97.7	97.9
97.	93.8	95.6	97.3	97.4	97.9	97.9	97.9	97.9	98.1	98.1	98.3
98.	94.4	96.4	98.1	98.3	98.7	98.7	98.7	98.7	99.0	99.0	99.1
98.	94.4	96.4	98.1	98.3	98.7	98.7	98.7	98.7	99.0	99.0	99.1
99.	95.0	97.0	98.7	98.9	99.3	99.3	99.3	99.3	99.6	99.6	99.7
99.	95.0	97.0	98.7	98.9	99.3	99.3	99.3	99.3	99.6	99.6	99.7
99.	95.0	97.0	98.7	98.9	99.3	99.3	99.3	99.3	99.6	99.6	99.7
99.	95.0	97.0	98.7	98.9	99.3	99.3	99.3	99.3	99.6	99.6	99.7
99.	95.0	97.0	98.7	98.9	99.3	99.3	99.3	99.3	99.6	99.6	99.7
99.	95.3	97.3	99.0	99.1	99.6	99.6	99.6	99.6	99.9	99.9	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSI

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	3.1	32.7	34.2	37.5	40.0	40.3	42.1	43.8	44
GE 20000	3.7	35.4	37.0	40.7	43.4	43.7	45.8	47.6	48
GE 18000	3.7	35.4	37.0	40.7	43.4	43.7	45.8	47.6	48
GE 16000	3.7	35.4	37.0	40.7	43.4	43.7	45.8	47.6	48
GE 14000	3.7	35.4	37.0	40.7	43.4	43.7	45.8	47.6	48
GE 12000	3.8	36.2	37.9	41.7	44.4	44.6	46.8	48.6	49
GE 10000	4.1	38.5	40.1	44.5	47.3	47.6	50.0	51.8	52
GE 9000	4.1	39.3	41.0	45.4	48.2	48.5	50.8	52.8	53
GE 8000	4.1	41.4	43.4	48.2	51.1	51.5	54.1	56.1	56
GE 7000	4.1	42.8	44.9	49.7	52.7	53.1	55.8	57.7	58
GE 6000	4.2	43.4	45.5	50.3	53.2	53.7	56.3	58.3	58
GE 5000	4.4	48.3	50.8	56.1	59.0	59.4	62.3	64.2	64
GE 4500	4.4	51.3	53.9	59.2	62.4	62.8	65.6	67.6	68
GE 4000	4.9	54.5	57.3	63.0	66.8	67.2	70.0	72.1	72
GE 3500	5.4	56.2	59.0	64.6	68.6	69.0	71.8	73.9	74
GE 3000	5.4	58.7	61.5	67.5	71.5	72.1	74.9	77.0	77
GE 2500	5.4	60.0	62.8	68.7	72.8	73.4	76.3	78.5	78
GE 2000	5.4	62.8	65.6	71.5	75.8	76.5	79.6	81.8	82
GE 1800	5.4	63.7	66.5	72.4	76.6	77.3	80.4	82.8	8
GE 1500	5.4	65.1	68.3	74.6	78.9	79.6	82.7	85.8	8
GE 1200	5.4	66.6	69.9	76.2	80.7	81.4	84.5	87.6	8
GE 1000	5.4	66.9	70.6	77.3	81.8	82.5	85.6	88.7	8
GE 900	5.4	67.5	71.1	77.9	82.4	83.1	86.2	89.3	8
GE 800	5.6	68.6	72.5	79.7	84.4	85.1	88.2	91.3	9
GE 700	5.8	69.0	73.0	80.1	84.8	85.5	89.0	92.1	9
GE 600	5.8	69.0	73.0	80.3	84.9	85.8	89.3	92.4	9
GE 500	5.8	69.0	73.0	80.3	84.9	85.8	89.3	92.4	9
GE 400	5.8	69.0	73.0	80.4	85.1	85.9	89.4	92.5	9
GE 300	5.8	69.0	73.0	80.4	85.1	85.9	89.4	92.5	9
GE 200	5.8	69.0	73.1	80.6	85.2	86.1	89.6	92.7	9
GE 100	5.8	69.0	73.1	80.6	85.2	86.2	89.7	93.0	9
GE 0	5.8	69.2	73.2	80.7	85.4	86.3	89.9	93.1	9

TOTAL NUMBER OF OBSERVATIONS: 710

ILI UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
ONS FROM HOURLY OBSERVATIONS

RD UK PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 0300-0500

OF ME	VISIBILITY IN HUNDREDS OF METERS									
GE 16	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
45.4	42.1	43.8	44.2	45.4	45.5	45.6	45.9	46.2	46.8	47.2
49.2	45.8	47.6	48.0	49.2	49.6	49.7	50.1	50.4	51.0	51.4
49.2	45.8	47.6	48.0	49.2	49.6	49.7	50.1	50.4	51.0	51.4
49.2	45.8	47.6	48.0	49.2	49.6	49.7	50.1	50.4	51.0	51.4
49.2	45.8	47.6	48.0	49.2	49.6	49.7	50.1	50.4	51.0	51.4
50.1	46.8	48.6	49.0	50.1	50.6	50.7	51.1	51.4	52.0	52.4
53.4	50.0	51.8	52.3	53.4	53.8	53.9	54.4	54.6	55.2	55.6
54.4	50.8	52.8	53.2	54.4	54.9	55.1	55.5	55.8	56.3	56.8
57.6	54.1	56.1	56.5	57.6	58.2	58.3	58.7	59.0	59.6	60.0
59.4	55.8	57.7	58.2	59.4	60.0	60.1	60.6	60.8	61.4	61.8
60.0	56.3	58.3	58.7	60.0	60.6	60.7	61.1	61.4	62.0	62.4
65.9	62.3	64.2	64.6	65.9	66.5	66.6	67.0	67.5	68.0	68.5
69.3	65.6	67.6	68.0	69.3	69.9	70.0	70.4	70.8	71.4	71.8
73.9	70.0	72.1	72.5	73.9	74.5	74.6	75.1	75.5	76.1	76.5
75.8	71.8	73.9	74.4	75.8	76.3	76.5	76.9	77.3	77.9	78.3
79.0	74.9	77.0	77.5	79.0	79.6	79.7	80.1	80.6	81.1	81.5
80.4	76.3	78.5	78.9	80.4	81.0	81.1	81.5	82.0	82.5	83.0
83.8	79.6	81.8	82.3	83.8	84.4	84.5	84.9	85.4	85.9	86.3
84.8	80.4	82.8	83.2	84.8	85.4	85.5	85.9	86.3	86.9	87.3
87.7	82.7	85.8	86.2	87.7	88.3	88.5	88.9	89.3	89.9	90.3
89.6	84.5	87.6	88.0	89.6	90.1	90.3	90.7	91.1	91.7	92.1
90.7	85.6	88.7	89.2	90.7	91.3	91.4	91.8	92.3	92.8	93.2
91.3	86.2	89.3	89.7	91.3	91.8	92.0	92.4	92.8	93.4	93.8
93.2	88.2	91.3	91.7	93.2	93.8	93.9	94.4	94.8	95.4	95.8
94.2	89.0	92.1	92.7	94.2	94.8	94.9	95.4	95.8	96.3	96.8
94.6	89.3	92.4	93.1	94.6	95.2	95.4	95.8	96.2	96.8	97.2
94.8	89.3	92.4	93.1	94.8	95.4	95.3	95.9	96.3	96.9	97.3
94.9	89.4	92.5	93.2	94.9	95.5	95.6	96.1	96.5	97.0	97.6
94.9	89.4	92.5	93.2	94.9	95.5	95.8	96.2	96.6	97.2	97.7
95.1	89.6	92.7	93.4	95.2	95.8	96.1	96.5	97.0	97.6	98.6
95.9	89.7	93.0	93.7	95.5	96.2	96.5	96.9	97.5	98.0	99.3
95.6	89.9	93.1	93.8	95.6	96.3	96.6	97.0	97.6	98.3	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRE
FROM HOURLY

STATION NUMBER: C36440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN H GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
NC CEIL	.9	24.8	26.5	29.8	31.3	31.4	32.5	33.9
GE 20000	1.6	27.4	29.4	33.2	35.4	35.5	36.8	38.8
GE 18000	1.6	27.5	29.5	33.4	35.5	35.6	37.0	38.9
GE 16000	1.6	27.5	29.5	33.4	35.5	35.6	37.0	38.9
GE 14000	1.6	27.5	29.7	33.5	35.6	35.8	37.1	39.1
GE 12000	1.9	28.2	30.3	34.2	36.3	36.4	37.7	39.9
GE 10000	2.0	31.4	33.5	38.1	40.4	40.7	42.1	44.5
GE 9000	2.1	32.2	34.3	39.3	41.9	42.1	43.7	46.1
GE 8000	2.1	36.3	38.5	44.1	46.8	47.0	48.9	51.4
GE 7000	2.1	38.0	40.3	45.8	48.5	48.7	50.6	53.1
GE 6000	2.1	38.8	41.1	46.6	49.3	49.5	51.4	53.9
GE 5000	2.6	42.9	45.4	51.8	54.4	54.7	56.6	59.3
GE 4500	3.2	45.4	48.1	54.4	57.4	57.6	59.5	62.3
GE 4000	4.1	48.6	51.3	57.9	60.9	61.2	63.3	66.1
GE 3500	4.2	49.4	52.1	59.1	62.1	62.4	64.6	67.4
GE 3000	4.2	52.3	55.2	63.0	66.2	66.5	68.7	71.5
GE 2500	4.4	53.5	56.4	64.5	67.7	67.9	70.2	73.1
GE 2000	4.4	55.4	58.4	66.6	69.8	70.1	72.5	75.6
GE 1800	4.4	56.0	59.2	67.4	70.9	71.1	73.5	76.8
GE 1500	4.5	57.7	61.2	69.9	73.4	73.6	76.2	79.7
GE 1200	4.6	59.6	63.2	72.6	76.2	76.4	78.9	82.6
GE 1000	4.6	60.1	63.8	73.9	77.5	77.7	80.3	84.0
GE 900	4.6	60.1	64.0	74.0	77.7	78.0	80.5	84.2
GE 800	4.6	60.8	65.2	75.4	79.3	79.6	82.1	85.8
GE 700	4.8	61.3	65.7	76.0	80.3	80.5	83.0	86.9
GE 600	4.8	61.3	65.7	76.4	80.8	81.1	83.7	87.5
GE 500	4.8	61.3	65.7	76.6	80.9	81.2	83.8	87.7
GE 400	4.8	61.5	65.8	77.0	81.3	81.6	84.2	88.5
GE 300	4.8	61.6	66.0	77.1	81.6	82.0	84.6	89.0
GE 200	4.8	61.6	66.0	77.1	81.6	82.0	84.6	89.1
GE 100	4.8	61.6	66.0	77.1	81.6	82.0	84.6	89.1
GE 0	4.8	61.6	66.0	77.1	81.6	82.0	84.6	89.1

TOTAL NUMBER OF OBSERVATIONS: 755

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 0600-0800

	VISIBILITY IN HUNDREDS OF METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
4	32.5	33.9	34.6	35.5	35.8	36.3	36.4	36.7	36.8	37.4
8	36.8	38.8	39.5	40.9	41.2	41.9	42.0	42.3	42.5	43.3
6	37.0	38.9	39.6	41.1	41.3	42.0	42.1	42.4	42.6	43.4
6	37.0	38.9	39.6	41.1	41.3	42.0	42.1	42.4	42.6	43.4
8	37.1	39.1	39.7	41.2	41.5	42.1	42.3	42.5	42.8	43.6
4	37.7	39.9	40.5	42.0	42.3	42.9	43.0	43.3	43.6	44.4
7	42.1	44.5	45.4	46.9	47.2	47.8	47.9	48.2	48.5	49.3
1	43.7	46.1	47.0	48.6	48.9	49.5	49.7	49.9	50.2	51.0
0	48.9	51.4	52.3	54.3	54.6	55.2	55.4	55.6	55.9	56.7
7	50.6	53.1	54.0	56.0	56.3	57.0	57.1	57.4	57.6	58.4
5	51.4	53.9	54.8	57.0	57.2	57.9	58.0	58.3	58.5	59.3
7	56.6	59.3	60.3	62.4	62.6	63.3	63.4	63.7	64.0	64.8
6	59.5	62.3	63.2	65.3	65.6	66.2	66.4	66.6	66.9	67.7
2	63.3	66.1	67.0	69.4	69.7	70.3	70.5	70.7	71.0	71.8
4	64.6	67.4	68.3	70.7	71.0	71.7	71.8	72.1	72.3	73.1
5	68.7	71.5	72.5	74.8	75.1	75.8	75.9	76.2	76.4	77.2
9	70.2	73.1	74.2	76.6	76.8	77.5	77.6	77.9	78.1	78.9
1	72.5	75.6	76.7	79.1	79.3	80.0	80.1	80.4	80.7	81.5
1	73.5	76.8	77.9	80.3	80.5	81.2	81.3	81.6	81.9	82.6
6	76.2	79.7	80.8	83.2	83.4	84.1	84.2	84.5	84.8	85.6
4	78.9	82.6	83.7	86.1	86.4	87.0	87.2	87.4	87.7	88.5
7	80.3	84.0	85.0	87.5	87.8	88.5	88.6	89.0	89.4	90.2
5	80.5	84.2	85.3	87.9	88.2	88.9	89.0	89.4	89.8	90.6
6	82.1	85.8	86.9	89.5	89.8	90.5	90.6	91.0	91.4	92.2
5	83.0	86.9	87.9	90.6	90.9	91.5	91.7	92.1	92.5	93.2
1	83.7	87.5	88.9	91.5	91.8	92.5	92.6	93.0	93.4	94.2
2	83.8	87.7	89.0	91.7	91.9	92.6	92.7	93.1	93.5	94.3
6	84.2	88.5	89.8	92.6	92.8	93.6	93.8	94.2	94.7	95.9
0	84.6	89.0	90.5	93.2	93.5	94.6	94.7	95.1	95.8	97.0
0	84.6	89.1	90.9	93.6	93.9	95.0	95.2	96.0	96.8	98.7
0	84.6	89.1	90.9	93.6	93.9	95.1	95.4	96.3	97.1	99.6
0	84.6	89.1	90.9	93.6	93.9	95.1	95.4	96.3	97.1	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRE
FROM HOURLY

STATION NUMRER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN H GE 32	GE 24
NC CEIL	2.6	29.3	31.4	35.3	36.3	36.3	37.0	37.6
GE 20000	3.9	34.9	37.1	41.6	42.6	42.6	43.3	43.9
GE 18000	3.9	35.0	37.2	41.7	42.8	42.8	43.4	44.1
GE 16000	3.9	35.0	37.2	41.7	42.8	42.8	43.4	44.1
GE 14000	3.9	35.1	37.4	41.8	42.9	42.9	43.6	44.2
GE 12000	4.1	35.5	37.8	42.2	43.6	43.6	44.2	44.9
GE 10000	4.6	39.6	41.8	46.6	48.2	48.2	49.1	49.7
GE 9000	4.6	40.9	43.3	48.2	50.0	50.0	51.1	51.7
GE 8000	4.6	46.1	48.6	53.6	55.4	55.5	56.8	57.6
GE 7000	4.6	47.4	49.9	55.1	57.1	57.2	58.6	59.3
GE 6000	4.7	47.6	50.1	55.4	57.4	57.5	58.8	59.6
GE 5000	4.9	52.8	55.5	60.8	62.8	62.9	64.2	65.0
GE 4500	5.4	56.1	58.8	64.1	66.1	66.2	67.5	68.3
GE 4000	6.1	60.0	63.0	68.4	70.4	70.5	72.0	72.8
GE 3500	6.4	63.6	66.6	72.1	74.1	74.2	75.7	76.4
GE 3000	6.6	70.3	73.4	78.9	80.9	81.1	82.6	83.6
GE 2500	7.4	72.0	75.3	80.8	82.8	82.9	84.5	85.4
GE 2000	8.2	74.9	78.2	84.5	86.6	86.7	88.8	89.9
GE 1800	8.2	75.3	78.7	85.1	87.2	87.4	89.5	90.5
GE 1500	9.3	76.8	80.3	86.8	88.9	89.1	91.3	92.4
GE 1200	8.6	78.6	82.0	88.6	90.7	90.8	93.4	94.5
GE 1000	8.7	80.1	83.7	90.3	92.4	92.5	95.3	96.4
GE 900	8.8	80.7	84.2	90.8	92.9	93.0	95.8	97.0
GE 800	8.9	81.4	85.0	91.8	93.9	94.1	96.8	98.0
GE 700	8.9	81.4	85.0	91.8	94.1	94.2	97.0	98.2
GE 600	8.9	81.4	85.0	91.8	94.1	94.2	97.0	98.3
GE 500	8.9	81.4	85.0	91.8	94.1	94.2	97.0	98.3
GE 400	8.9	81.4	85.0	91.8	94.1	94.2	97.0	98.3
GE 300	8.9	81.4	85.0	91.8	94.1	94.2	97.0	98.3
GE 200	8.9	81.4	85.0	91.8	94.1	94.2	97.0	98.3
GE 100	8.9	81.4	85.0	91.8	94.1	94.2	97.0	98.3
GE 0	8.9	81.4	85.0	91.8	94.1	94.2	97.0	98.3

TOTAL NUMBER OF OBSERVATIONS: 760

CE
TI QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 0900-1100

VISIBILITY IN HUNDREDS OF METERS

	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
.3	37.0	37.6	37.6	37.8	37.8	37.8	37.8	37.8	37.8	37.8
4										
4.6	43.3	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1
4.8	43.4	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2
4.8	43.4	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2
4.9	43.6	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3
.6	44.2	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0
5										
5.2	49.1	49.7	49.7	50.0	50.1	50.1	50.1	50.1	50.1	50.1
5.0	51.1	51.7	51.8	52.1	52.2	52.2	52.2	52.2	52.2	52.2
5.5	56.8	57.6	57.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3
6.2	58.6	59.3	59.5	59.9	60.0	60.0	60.0	60.0	60.0	60.0
.5	58.8	59.6	59.7	60.1	60.3	60.3	60.3	60.3	60.3	60.3
6										
6.9	64.2	65.0	65.1	65.5	65.7	65.7	65.7	65.7	65.7	65.7
7.2	67.5	68.3	68.4	68.8	68.9	68.9	68.9	68.9	68.9	68.9
7.5	72.0	72.8	72.9	73.3	73.4	73.4	73.4	73.4	73.4	73.4
8.2	75.7	76.4	76.6	77.0	77.1	77.1	77.1	77.1	77.1	77.1
.1	82.6	83.6	83.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2
8										
9.9	84.5	85.4	85.5	85.9	86.1	86.1	86.1	86.1	86.1	86.1
1.7	88.8	89.9	90.0	90.4	90.5	90.5	90.5	90.5	90.5	90.5
2.4	89.5	90.5	90.7	91.1	91.2	91.2	91.2	91.2	91.2	91.2
9.1	91.3	92.4	92.5	92.9	93.0	93.0	93.0	93.0	93.0	93.0
.6	93.4	94.5	94.6	95.1	95.4	95.4	95.4	95.4	95.4	95.4
9										
2.5	95.3	96.4	96.6	97.1	97.5	97.5	97.5	97.5	97.5	97.5
3.0	95.8	97.0	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0
4.1	96.8	98.0	98.3	98.8	99.2	99.2	99.2	99.2	99.2	99.2
4.2	97.0	98.2	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.5
4.2	97.0	98.3	98.6	99.3	99.7	99.7	99.7	99.7	99.7	99.7
9										
4.2	97.0	98.3	98.6	99.3	99.7	99.7	99.7	99.7	99.7	99.7
4.2	97.0	98.3	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0
4.2	97.0	98.3	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0
4.2	97.0	98.3	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0
4.2	97.0	98.3	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0
9										
4.2	97.0	98.3	98.7	99.5	99.9	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUN							
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	
NO CEIL	5.6	32.4	32.8	34.5	34.5	34.5	34.5	34.5	3
GE 20000	6.7	38.2	38.6	40.7	40.7	40.7	40.7	40.7	4
GE 18000	6.7	38.2	38.6	40.7	40.7	40.7	40.7	40.7	4
GE 16000	6.7	38.2	38.6	40.7	40.7	40.7	40.7	40.7	4
GE 14000	6.7	38.4	38.8	40.9	40.9	40.9	40.9	40.9	4
GE 12000	6.9	40.2	40.7	43.1	43.4	43.4	43.4	43.4	4
GE 10000	7.4	45.5	46.2	48.9	49.3	49.3	49.3	49.3	4
GE 9000	7.4	46.8	47.5	50.3	50.7	50.8	50.9	50.9	5
GE 8000	7.4	50.1	50.9	53.8	54.5	54.6	54.8	54.8	5
GE 7000	7.4	50.5	51.3	54.5	55.2	55.3	55.4	55.4	5
GE 6000	8.1	52.1	53.0	56.2	56.9	57.0	57.1	57.1	5
GE 5000	9.0	60.1	61.0	64.4	65.1	65.2	65.3	65.3	6
GE 4500	10.1	66.9	67.9	71.4	72.2	72.4	72.5	72.5	7
GE 4000	10.7	73.4	74.7	78.3	79.1	79.2	79.4	79.4	7
GE 3500	11.5	77.5	78.8	82.4	83.2	83.3	83.5	83.5	8
GE 3000	11.6	82.4	84.4	88.2	89.0	89.2	89.3	89.3	8
GE 2500	12.2	84.0	86.0	89.9	90.9	91.0	91.1	91.1	9
GE 2000	12.3	86.5	88.5	92.6	93.7	93.8	94.0	94.0	9
GE 1800	12.3	87.3	89.3	93.5	94.6	94.7	95.0	95.0	9
GE 1500	12.3	88.6	90.6	95.1	96.3	96.4	96.7	96.7	9
GE 1200	12.4	90.3	92.6	97.1	98.3	98.4	98.7	98.7	9
GE 1000	12.4	90.5	93.0	97.5	98.7	98.8	99.1	99.1	9
GE 900	12.4	90.5	93.0	97.5	98.7	98.8	99.1	99.1	9
GE 800	12.4	90.6	93.1	97.6	98.8	98.9	99.2	99.2	9
GE 700	12.4	90.6	93.4	97.9	99.1	99.2	99.5	99.5	9
GE 600	12.4	90.6	93.4	97.9	99.1	99.2	99.5	99.5	9
GE 500	12.4	90.6	93.4	97.9	99.1	99.2	99.5	99.5	9
GE 400	12.4	90.6	93.4	97.9	99.1	99.2	99.5	99.5	9
GE 300	12.4	90.6	93.4	97.9	99.1	99.2	99.5	99.5	9
GE 200	12.4	90.6	93.4	97.9	99.1	99.2	99.5	99.5	9
GE 100	12.4	90.6	93.4	97.9	99.1	99.2	99.5	99.5	9
GE 0	12.4	90.6	93.4	97.9	99.1	99.2	99.5	99.5	9

TOTAL NUMBER OF ORSERVATIONS: 756

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 1200-1400

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
99.2	99.2	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0
99.5	99.5	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	5.8	37.4	37.8	39.4	39.5	39.5	39.5	39.5	39.
GE 20000	7.2	44.9	45.3	47.1	47.2	47.2	47.2	47.2	47.
GE 18000	7.2	44.9	45.3	47.1	47.2	47.2	47.2	47.2	47.
GE 16000	7.2	45.0	45.4	47.2	47.3	47.3	47.3	47.3	47.
GE 14000	7.4	45.4	45.8	47.6	47.7	47.7	47.7	47.7	47.
GE 12000	8.2	47.2	47.6	49.3	49.7	49.7	49.7	49.7	49.
GE 10000	8.8	51.5	51.9	54.6	55.0	55.0	55.0	55.0	55.
GE 9000	9.0	52.9	53.5	56.2	56.6	56.6	56.6	56.6	56.
GE 8000	9.1	57.1	58.3	61.3	61.7	61.7	61.8	62.1	62.
GE 7000	9.1	58.0	59.2	62.3	62.7	62.7	62.9	63.1	63
GE 6000	10.1	59.8	61.3	64.6	65.0	65.0	65.1	65.4	65
GE 5000	11.7	70.2	71.7	75.2	75.7	75.7	76.0	76.3	76
GE 4500	11.9	74.9	76.5	80.2	80.7	80.7	81.0	81.2	81
GE 4000	12.6	81.1	82.7	86.6	87.1	87.1	87.4	87.7	87
GE 3500	12.7	82.4	84.3	88.2	88.7	88.7	89.0	89.3	89
GE 3000	12.7	84.0	86.1	90.2	90.8	90.8	91.0	91.3	91
GE 2500	12.7	84.6	86.6	91.2	91.7	91.7	92.0	92.2	92
GE 2000	12.7	86.1	88.2	93.0	93.6	93.6	93.8	94.1	94
GE 1800	12.7	86.6	88.7	93.6	94.1	94.1	94.4	94.6	94
GE 1500	12.9	88.2	90.5	95.3	95.8	95.8	96.1	96.4	96
GE 1200	12.9	90.5	92.8	97.6	98.1	98.1	98.5	98.8	98
GE 1000	13.0	90.9	93.3	98.1	98.7	98.7	99.1	99.3	9
GE 900	13.0	90.9	93.3	98.1	98.7	98.7	99.1	99.3	9
GE 800	13.0	90.9	93.3	98.1	98.7	98.7	99.1	99.3	9
GE 700	13.0	90.9	93.4	98.3	98.8	98.8	99.2	99.5	9
GE 600	13.0	90.9	93.4	98.4	98.9	98.9	99.3	99.6	9
GE 500	13.0	90.9	93.4	98.4	98.9	98.9	99.3	99.6	9
GE 400	13.0	90.9	93.4	98.4	98.9	98.9	99.3	99.6	9
GE 300	13.0	90.9	93.4	98.4	98.9	98.9	99.3	99.6	9
GE 200	13.0	90.9	93.4	98.4	98.9	98.9	99.3	99.6	9
GE 100	13.0	90.9	93.4	98.4	98.9	98.9	99.3	99.6	9
GE 0	13.0	90.9	93.4	98.4	98.9	98.9	99.3	99.6	9

TOTAL NUMBER OF OBSERVATIONS: 746

ING
S FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 1500-1700

MET E	VISIBILITY IN HUNDREDS OF METERS										
16	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
5.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
6.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
2.1	61.7	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
3.1	62.7	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
5.4	65.0	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
6.3	75.7	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
1.2	80.7	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
7.7	87.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
9.3	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
1.3	90.8	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
92.2	91.7	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
94.1	93.6	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
94.6	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
96.5	95.8	96.1	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
98.9	98.1	98.5	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
99.5	98.7	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
99.5	98.7	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
99.5	98.7	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
99.5	98.8	99.2	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	98.9	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
00.0	98.9	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
00.0	98.9	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
00.0	98.9	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	98.9	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	98.9	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	2.3	39.1	39.6	41.6	42.4	42.4	42.4	42.4	42.
GE 20000	2.5	45.1	45.8	48.3	49.3	49.3	49.3	49.3	49.
GE 18000	2.5	45.3	45.9	48.4	49.4	49.4	49.4	49.4	49.
GE 16000	2.5	45.3	45.9	48.4	49.4	49.4	49.4	49.4	49.
GE 14000	2.5	45.6	46.3	48.8	49.8	49.8	49.8	49.8	49.
GE 12000	2.5	47.1	47.8	50.2	51.2	51.2	51.2	51.2	51.
GE 10000	2.5	51.9	52.6	55.7	56.7	56.7	56.7	56.7	56.
GE 9000	2.5	53.9	54.6	57.7	58.7	58.7	58.7	58.7	58.
GE 8000	2.5	57.7	58.4	62.4	63.9	63.9	64.1	64.1	64.
GE 7000	2.5	59.2	59.9	64.1	65.6	65.6	65.7	65.7	65.
GE 6000	2.8	61.2	62.1	66.4	67.9	67.9	68.1	68.1	68.
GE 5000	2.8	70.2	71.2	75.5	77.0	77.0	77.2	77.4	77
GE 4500	2.8	74.7	75.7	80.0	81.5	81.5	81.7	81.9	81
GE 4000	3.0	79.2	80.7	85.5	87.4	87.4	87.5	87.7	87
GE 3500	3.0	79.7	81.4	86.2	88.0	88.0	88.4	88.7	88
GE 3000	3.0	81.2	83.0	88.0	89.9	89.9	90.2	90.5	90
GE 2500	3.0	81.9	83.7	88.9	90.8	90.8	91.2	91.7	91
GE 2000	3.0	83.5	85.4	90.5	93.2	93.2	93.5	94.3	94
GE 1800	3.2	83.7	85.5	90.7	93.3	93.3	93.7	94.5	94
GE 1500	3.2	84.7	86.7	92.2	94.8	94.8	95.2	96.0	96
GE 1200	3.2	85.5	87.5	93.2	96.2	96.2	97.0	97.8	98
GE 1000	3.2	85.9	88.0	93.7	96.7	96.7	97.5	98.3	98
GE 900	3.2	86.0	88.2	93.8	96.8	96.8	97.7	98.5	98
GE 800	3.2	86.2	88.5	94.2	97.3	97.3	98.2	99.0	99
GE 700	3.2	86.2	88.5	94.5	97.7	97.7	98.5	99.3	99
GE 600	3.2	86.2	88.5	94.5	97.7	97.7	98.5	99.3	99
GE 500	3.2	86.2	88.5	94.5	97.7	97.7	98.5	99.3	99
GE 400	3.2	86.2	88.5	94.5	97.7	97.7	98.5	99.3	99
GE 300	3.2	86.2	88.5	94.5	97.7	97.7	98.5	99.3	99
GE 200	3.2	86.2	88.5	94.5	97.7	97.7	98.5	99.3	99
GE 100	3.2	86.2	88.5	94.5	97.7	97.7	98.5	99.3	99
GE 0	3.2	86.2	88.5	94.5	97.7	97.7	98.5	99.3	99

TOTAL NUMBER OF OBSERVATIONS: 601

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

IRFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): 1800-2000

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS									
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
GE 40	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 32	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 24	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 20	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 16	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 12	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 10	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 5	63.9	64.1	64.1	64.1	64.2	64.2	64.4	64.4	64.4	64.4	64.4
GE 4	65.6	65.7	65.7	65.7	65.9	65.9	66.1	66.1	66.1	66.1	66.1
GE 0	67.9	68.1	68.1	68.1	68.2	68.2	68.4	68.4	68.4	68.4	68.4
GE 40	77.0	77.2	77.4	77.4	77.5	77.5	77.7	77.7	77.7	77.7	77.7
GE 32	81.5	81.7	81.9	81.9	82.0	82.0	82.2	82.2	82.2	82.2	82.2
GE 24	87.4	87.5	87.7	87.9	88.0	88.0	88.2	88.2	88.2	88.2	88.2
GE 20	88.0	88.4	88.7	88.9	89.0	89.0	89.2	89.2	89.2	89.2	89.2
GE 16	89.9	90.2	90.5	90.7	90.8	90.8	91.0	91.0	91.0	91.0	91.0
GE 12	90.8	91.2	91.7	91.8	92.0	92.0	92.2	92.2	92.2	92.2	92.2
GE 10	93.2	93.5	94.3	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8
GE 8	93.3	93.7	94.5	94.7	94.8	94.8	95.0	95.0	95.0	95.0	95.0
GE 5	94.8	95.2	96.0	96.2	96.3	96.3	96.5	96.5	96.5	96.5	96.5
GE 4	96.2	97.0	97.8	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3
GE 0	96.7	97.5	98.3	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8
	96.8	97.7	98.5	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.0
	97.3	98.2	99.0	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7
	97.7	98.5	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
	97.7	98.5	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
	97.7	98.5	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
	97.7	98.5	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
	97.7	98.5	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
	97.7	98.5	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
	97.7	98.5	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	7.1	50.3	50.8	52.1	53.4	53.4	53.9	53.9	53.9
GE 20000	3.6	55.5	56.0	57.5	59.0	59.0	59.4	59.4	59.4
GE 18000	3.6	55.5	56.0	57.5	59.0	59.0	59.4	59.4	59.4
GE 16000	3.6	55.5	56.0	57.5	59.0	59.0	59.4	59.4	59.
GE 14000	3.6	55.5	56.0	57.5	59.0	59.0	59.4	59.4	59.
GE 12000	3.7	56.7	57.2	58.6	60.1	60.1	60.6	60.6	60.
GE 10000	3.7	58.6	59.1	61.1	62.9	62.9	63.4	63.4	63.
GE 9000	3.7	60.1	60.6	62.5	64.3	64.3	64.8	64.8	64.
GE 8000	3.7	62.1	62.9	65.0	66.9	66.9	67.4	67.4	67.
GE 7000	3.7	63.8	64.7	66.8	68.7	68.7	69.2	69.2	69.
GE 6000	3.9	66.1	67.1	69.2	71.7	71.7	72.1	72.1	72.
GE 5000	4.1	73.1	74.1	76.2	78.7	78.7	79.2	79.2	79.
GE 4500	4.2	75.4	76.4	78.8	81.3	81.3	81.8	81.8	81.
GE 4000	4.2	78.0	79.0	81.4	84.4	84.4	84.9	84.9	84.
GE 3500	4.2	78.5	79.5	82.1	85.0	85.0	85.5	85.7	85.
GE 3000	4.6	81.8	82.7	85.3	88.4	88.4	88.9	89.1	89.
GE 2500	4.7	83.7	84.7	87.3	90.4	90.4	90.9	91.0	91.
GE 2000	4.9	85.2	86.2	88.9	92.5	92.5	93.0	93.3	93.
GE 1800	4.9	85.3	86.3	89.1	92.7	92.7	93.2	93.5	93.
GE 1500	4.9	86.5	87.5	90.4	94.0	94.0	94.6	95.1	95.
GE 1200	4.9	87.3	88.3	91.2	94.8	94.8	95.8	96.3	96.
GE 1000	4.9	87.8	88.9	92.0	95.6	95.6	96.6	97.1	97.
GE 900	4.9	88.3	89.6	92.7	96.3	96.3	97.2	97.7	97.
GE 800	4.9	88.8	90.4	93.6	97.2	97.2	98.2	98.7	98.
GE 700	4.9	88.9	90.7	94.3	97.9	97.9	98.9	99.3	99.
GE 600	4.9	88.9	90.7	94.3	97.9	97.9	99.0	99.5	99.
GE 500	4.9	88.9	90.7	94.3	97.9	97.9	99.0	99.5	99.
GE 400	4.9	88.9	90.7	94.3	97.9	97.9	99.0	99.5	99.
GE 300	4.9	88.9	90.7	94.3	97.9	97.9	99.0	99.5	99.
GE 200	4.9	88.9	90.7	94.3	97.9	97.9	99.0	99.5	99.
GE 100	4.9	88.9	90.7	94.3	97.9	97.9	99.0	99.5	99.
GE 0	4.9	88.9	90.7	94.3	97.9	97.9	99.0	99.5	99.

TOTAL NUMBER OF OBSERVATIONS: 614

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FORD UK

PERIOD OF RECORD: 75-76,81-86
MONTH: AUG HOURS(LST): 2100-2300

VISIBILITY IN HUNDREDS OF METERS

CEILING IN HUNDREDS OF FEET	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
GE 22	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 20	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 18	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 15	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 12	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 10	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 7	67.4	67.4	67.4	67.8	67.8	67.9	67.9	67.9	67.9	67.9
GE 6	69.2	69.2	69.2	69.5	69.5	69.7	69.7	69.7	69.7	69.7
GE 5	72.1	72.1	72.1	72.5	72.5	72.6	72.6	72.6	72.6	72.6
GE 4	79.2	79.2	79.2	79.5	79.5	79.6	79.6	79.6	79.6	79.6
GE 3	81.8	81.8	81.8	82.1	82.1	82.2	82.2	82.2	82.2	82.2
GE 2	84.9	84.9	84.9	85.2	85.2	85.3	85.3	85.3	85.3	85.3
GE 1	85.5	85.7	85.7	86.0	86.0	86.2	86.2	86.2	86.2	86.2
GE 0	88.9	89.1	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6
GE 0	90.9	91.0	91.0	91.4	91.4	91.5	91.5	91.5	91.5	91.5
GE 0	93.0	93.3	93.3	93.6	93.6	93.8	93.8	93.8	93.8	93.8
GE 0	93.2	93.5	93.5	93.8	93.8	94.0	94.0	94.0	94.0	94.0
GE 0	94.6	95.1	95.1	95.4	95.4	95.6	95.6	95.6	95.6	95.6
GE 0	95.8	96.3	96.3	96.6	96.6	96.7	96.7	96.7	96.7	96.7
GE 0	96.6	97.1	97.1	97.4	97.4	97.6	97.6	97.6	97.6	97.6
GE 0	97.2	97.7	97.7	98.0	98.0	98.2	98.2	98.2	98.2	98.2
GE 0	98.2	98.7	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2
GE 0	98.9	99.3	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 0	99.0	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 0	99.0	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 0	99.0	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 0	99.0	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 0	99.0	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 0	99.0	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	3.6	35.6	36.7	39.4	40.5	40.6	41.2	41.8	41.9
GE 20000	4.5	40.5	41.8	44.8	46.1	46.2	46.9	47.6	47.7
GE 18000	4.5	40.6	41.9	44.9	46.2	46.3	47.0	47.7	47.8
GE 16000	4.5	40.6	41.9	44.9	46.2	46.3	47.0	47.7	47.8
GE 14000	4.5	40.7	42.0	45.1	46.3	46.4	47.1	47.8	48.0
GE 12000	4.8	41.8	43.1	46.2	47.6	47.7	48.4	49.1	49.2
GE 10000	5.1	45.4	46.8	50.5	52.0	52.2	53.0	53.7	53.9
GE 9000	5.1	46.7	48.1	51.8	53.4	53.6	54.5	55.2	55.4
GE 8000	5.1	50.1	51.7	55.9	57.6	57.8	58.8	59.6	59.9
GE 7000	5.1	51.3	53.0	57.2	59.0	59.2	60.2	61.0	61.
GE 6000	5.5	52.7	54.4	58.7	60.6	60.8	61.8	62.6	62.
GE 5000	6.0	59.3	61.2	65.7	67.6	67.8	68.8	69.7	69.
GE 4500	6.3	63.0	64.9	69.6	71.6	71.8	72.9	73.8	74.
GE 4000	6.8	67.2	69.4	74.3	76.5	76.7	77.8	78.7	79.
GE 3500	7.1	69.0	71.2	76.2	78.4	78.7	79.8	80.7	81.
GE 3000	7.1	72.2	74.6	79.9	82.2	82.4	83.6	84.5	84.
GE 2500	7.4	73.6	76.0	81.4	83.7	83.9	85.1	86.1	86.
GE 2000	7.5	75.7	78.1	83.7	86.2	86.5	87.8	88.9	89.
GE 1800	7.5	76.2	78.7	84.3	86.9	87.1	88.5	89.6	89.
GE 1500	7.6	77.6	80.2	86.1	88.7	89.0	90.4	91.8	92.
GE 1200	7.6	79.1	81.9	87.9	90.6	90.8	92.4	93.8	94.
GE 1000	7.7	79.7	82.6	88.8	91.5	91.7	93.3	94.8	95.
GE 900	7.7	80.0	83.0	89.1	91.8	92.1	93.7	95.1	95.
GE 800	7.8	80.4	83.6	89.9	92.7	92.9	94.5	96.0	96.
GE 700	7.8	80.6	83.8	90.2	93.1	93.4	95.0	96.5	96.
GE 600	7.8	80.6	83.8	90.3	93.2	93.5	95.2	96.7	97.
GE 500	7.8	80.6	83.8	90.4	93.3	93.6	95.3	96.8	97.
GE 400	7.8	80.7	83.9	90.5	93.4	93.6	95.4	96.9	97.
GE 300	7.8	80.7	83.9	90.5	93.4	93.7	95.4	97.0	97.
GE 200	7.8	80.7	83.9	90.5	93.4	93.7	95.4	97.0	97
GE 100	7.8	80.7	83.9	90.5	93.4	93.7	95.4	97.0	97
GE 0	7.8	80.7	84.0	90.5	93.5	93.8	95.5	97.1	97

TOTAL NUMBER OF OBSERVATIONS: 5640

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S

ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

) UK

PERIOD OF RECORD: 75-76,80-86
MONTH: AUG HOURS(LST): ALL

CEILING IN HUNDREDS OF FEET

VISIBILITY IN HUNDREDS OF METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
1	41.2	41.8	41.9	42.2	42.3	42.4	42.4	42.5	42.6	42.7
2										
2	46.9	47.6	47.7	48.1	48.2	48.3	48.4	48.5	48.6	48.7
3	47.0	47.7	47.8	48.2	48.2	48.4	48.4	48.5	48.6	48.8
6	47.0	47.7	47.8	48.2	48.3	48.4	48.4	48.5	48.6	48.8
	47.1	47.8	48.0	48.3	48.4	48.5	48.6	48.7	48.8	49.0
.3	48.4	49.1	49.2	49.6	49.7	49.8	49.9	49.9	50.1	50.2
.8										
.4	53.0	53.7	53.9	54.3	54.4	54.5	54.5	54.6	54.8	54.9
.8	54.5	55.2	55.4	55.8	55.9	56.0	56.1	56.2	56.3	56.5
.4	58.8	59.6	59.9	60.4	60.5	60.6	60.7	60.8	60.9	61.1
	60.2	61.0	61.3	61.8	62.0	62.1	62.2	62.3	62.4	62.6
.5	61.8	62.6	62.8	63.4	63.5	63.7	63.8	63.9	64.0	64.1
.6										
.6	68.8	69.7	69.9	70.5	70.6	70.8	70.9	71.0	71.1	71.3
.6	72.9	73.8	74.0	74.6	74.7	74.8	74.9	75.0	75.1	75.3
.4	77.8	78.7	79.0	79.6	79.7	79.9	79.9	80.1	80.2	80.4
	79.8	80.7	81.0	81.6	81.7	81.9	81.9	82.1	82.2	82.3
.1	83.6	84.5	84.8	85.4	85.6	85.7	85.8	85.9	86.0	86.2
.9										
.6	85.1	86.1	86.4	87.1	87.2	87.3	87.4	87.5	87.6	87.8
.7	87.8	88.9	89.2	89.9	90.0	90.1	90.2	90.3	90.4	90.6
.8	88.5	89.6	89.9	90.6	90.7	90.9	90.9	91.0	91.2	91.3
	90.4	91.8	92.0	92.7	92.8	93.0	93.0	93.2	93.3	93.5
.8	92.4	93.8	94.1	94.8	94.9	95.1	95.1	95.2	95.4	95.5
.1										
.0	93.3	94.8	95.0	95.8	95.9	96.1	96.2	96.3	96.4	96.6
.6	93.7	95.1	95.4	96.1	96.3	96.5	96.5	96.7	96.8	97.0
.9	94.5	96.0	96.3	97.0	97.2	97.3	97.4	97.6	97.7	97.9
	95.0	96.5	96.8	97.6	97.8	98.0	98.0	98.2	98.3	98.5
.0	95.2	96.7	97.0	97.9	98.0	98.2	98.3	98.4	98.5	98.7
.1										
.2	95.3	96.8	97.1	98.0	98.2	98.3	98.4	98.5	98.7	98.8
.3	95.4	96.9	97.3	98.1	98.3	98.5	98.6	98.7	98.9	99.1
.4	95.4	97.0	97.4	98.2	98.4	98.7	98.7	98.9	99.0	99.3
	95.4	97.0	97.4	98.3	98.5	98.7	98.8	99.0	99.2	99.6
.4	95.4	97.0	97.5	98.4	98.5	98.8	98.9	99.1	99.3	99.8
..										
	95.5	97.1	97.5	98.4	98.6	98.9	99.0	99.2	99.4	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRE
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN H: GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
NO CEIL	3.6	36.5	37.5	39.3	41.1	41.3	42.9	44.0
GE 20000	4.1	39.2	40.2	43.0	44.9	45.2	47.0	48.3
GE 18000	4.1	39.3	40.3	43.2	45.0	45.3	47.2	48.4
GE 16000	4.1	39.3	40.3	43.2	45.0	45.3	47.2	48.4
GE 14000	4.1	39.3	40.3	43.2	45.0	45.3	47.2	48.4
GE 12000	4.1	40.2	41.2	44.0	45.9	46.2	48.0	49.3
GE 10000	4.4	42.9	44.0	47.3	49.1	49.4	51.7	53.1
GE 9000	4.4	43.0	44.2	47.4	49.3	49.6	51.8	53.4
GE 8000	4.4	46.7	47.9	51.3	53.3	53.6	55.8	57.4
GE 7000	4.4	47.6	48.7	52.1	54.1	54.4	56.7	58.2
GE 6000	4.7	49.0	50.1	53.6	55.7	56.1	58.4	59.9
GE 5000	5.5	53.6	55.4	59.2	61.6	62.1	64.3	65.9
GE 4500	6.0	56.0	57.8	61.8	64.2	64.6	66.9	68.5
GE 4000	6.1	59.2	61.1	65.1	67.5	67.9	70.2	71.7
GE 3500	6.4	61.1	62.9	66.9	69.3	69.7	72.0	73.6
GE 3000	6.4	64.1	65.9	69.9	72.3	72.7	75.0	76.6
GE 2500	6.7	64.6	66.5	70.5	72.9	73.3	75.6	77.1
GE 2000	7.1	66.6	69.0	73.2	75.6	76.0	78.3	79.8
GE 1800	7.1	66.8	69.2	73.4	75.9	76.3	78.6	80.1
GE 1500	7.4	68.5	71.0	75.6	78.1	78.6	80.8	82.4
GE 1200	8.1	71.3	73.9	78.6	81.1	81.5	83.8	85.4
GE 1000	8.4	72.4	75.0	80.0	82.5	83.0	85.5	87.1
GE 900	8.4	72.9	75.4	80.7	83.2	83.8	86.5	88.5
GE 800	8.5	74.6	77.1	82.4	84.9	85.5	88.2	90.2
GE 700	8.8	75.3	78.0	83.2	85.9	86.5	89.6	91.8
GE 600	8.8	75.3	78.0	83.4	86.1	86.6	90.1	92.2
GE 500	8.8	75.6	78.4	83.8	86.5	87.1	90.6	93.2
GE 400	8.8	75.9	78.7	84.2	87.1	87.8	91.3	94.0
GE 300	8.8	76.0	78.8	84.5	87.5	88.2	91.8	94.7
GE 200	8.8	76.0	78.8	84.5	87.5	88.2	91.8	94.7
GE 100	8.8	76.0	78.8	84.5	87.6	88.4	91.9	94.9
GE 0	8.8	76.0	78.8	84.5	87.6	88.4	91.9	94.9

TOTAL NUMBER OF OBSERVATIONS: 704

EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 0000-0200

VISIBILITY IN HUNDREDS OF METERS										
E 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
.3	42.9	44.0	44.6	45.0	45.5	45.9	45.9	45.9	46.0	46.7
.2	47.0	48.3	49.0	49.4	49.9	50.3	50.4	50.4	50.6	51.3
.3	47.2	48.4	49.1	49.6	50.0	50.4	50.6	50.6	50.7	51.4
.3	47.2	48.4	49.1	49.6	50.0	50.4	50.6	50.6	50.7	51.4
.3	47.2	48.4	49.1	49.6	50.0	50.4	50.6	50.6	50.7	51.4
.2	48.0	49.3	50.0	50.4	50.9	51.3	51.4	51.4	51.6	52.3
.4	51.7	53.1	53.8	54.4	54.8	55.3	55.4	55.4	55.5	56.3
.6	51.8	53.4	54.1	54.7	55.1	55.5	55.7	55.7	55.8	56.5
.6	55.8	57.4	58.1	58.7	59.1	59.5	59.7	59.7	59.8	60.5
.4	56.7	58.2	58.9	59.5	59.9	60.4	60.5	60.5	60.7	61.4
.1	58.4	59.9	60.7	61.2	61.6	62.1	62.2	62.2	62.4	63.1
.1	64.3	65.9	66.6	67.2	67.6	68.0	68.2	68.2	68.3	69.0
.6	66.9	68.5	69.2	69.7	70.2	70.6	70.7	70.7	70.9	71.6
.9	70.2	71.7	72.4	73.0	73.4	73.9	74.0	74.0	74.1	74.9
.7	72.0	73.6	74.3	74.9	75.3	75.7	75.9	75.9	76.0	76.7
.7	75.0	76.6	77.4	78.0	78.4	78.8	79.0	79.0	79.1	79.8
.3	75.6	77.1	78.0	78.6	79.0	79.4	79.5	79.5	79.7	80.4
.0	78.3	79.8	80.7	81.3	81.7	82.1	82.2	82.2	82.4	83.1
.3	78.6	80.1	81.0	81.5	82.0	82.4	82.5	82.5	82.7	83.4
.6	80.8	82.4	83.2	83.8	84.2	84.7	84.8	84.8	84.9	85.7
.5	83.8	85.4	86.2	86.8	87.2	87.6	87.8	87.8	87.9	88.6
.0	85.5	87.1	87.9	88.5	88.9	89.3	89.5	89.5	89.6	90.3
.6	86.5	88.5	89.3	89.9	90.3	90.8	90.9	90.9	91.1	91.8
.5	88.2	90.2	91.1	91.9	92.3	92.8	92.9	92.9	93.0	93.8
.5	89.6	91.8	92.6	93.6	94.0	94.5	94.6	94.6	94.7	95.5
.6	90.1	92.2	93.2	94.5	94.9	95.3	95.5	95.5	95.6	96.3
.1	90.6	93.2	94.2	95.5	95.9	96.3	96.4	96.4	96.6	97.3
.8	91.3	94.0	95.0	96.3	96.7	97.2	97.3	97.4	97.6	98.3
.2	91.8	94.7	95.7	97.0	97.4	97.9	98.0	98.2	98.4	99.1
.2	91.8	94.7	95.7	97.3	97.7	98.2	98.3	98.4	98.7	99.4
.4	91.9	94.9	95.9	97.7	98.2	98.6	98.7	98.9	99.1	99.9
.4	91.9	94.9	95.9	97.7	98.2	98.6	98.9	99.0	99.3	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUNDR GE 32	GE 24	GE 2
NO CEIL	2.5	28.7	30.0	32.6	34.0	34.1	35.6	36.9	37.
GE 20000	2.9	31.5	32.7	35.4	37.0	37.3	38.9	40.3	40.
GE 18000	2.9	31.6	32.9	35.5	37.1	37.4	39.1	40.4	40.
GE 16000	2.9	31.6	32.9	35.5	37.1	37.4	39.1	40.4	40.
GE 14000	2.9	32.2	33.4	36.0	37.7	38.0	39.6	41.0	41.
GE 12000	2.9	32.9	34.1	36.7	38.4	38.7	40.3	41.7	42.
GE 10000	2.9	34.4	35.6	38.4	40.2	40.4	42.1	43.6	44.
GE 9000	2.9	35.2	36.5	39.2	41.0	41.3	42.9	44.4	44.
GE 8000	2.9	38.0	39.5	42.4	44.2	44.4	46.1	47.7	48.
GE 7000	3.2	38.2	39.8	42.6	44.4	44.7	46.4	48.0	48.
GE 6000	3.4	39.8	41.3	44.4	46.2	46.5	48.3	49.9	50.
GE 5000	3.6	43.1	45.0	48.7	50.5	50.8	52.7	54.5	55.
GE 4500	3.7	45.3	47.3	51.0	52.8	53.1	55.0	56.9	57.
GE 4000	3.9	48.1	50.2	53.9	55.7	56.0	58.0	60.0	60.
GE 3500	4.4	51.4	53.5	57.4	59.1	59.4	61.5	63.4	64.
GE 3000	4.8	53.8	56.0	59.8	61.6	61.9	64.0	65.9	67.
GE 2500	4.8	54.7	57.1	60.9	62.7	63.0	65.2	67.1	68.
GE 2000	5.1	57.8	60.1	64.2	66.0	66.3	68.6	70.6	71.
GE 1800	5.2	58.3	60.7	64.8	66.7	67.0	69.3	71.3	72.
GE 1500	5.4	60.8	63.4	67.8	69.7	70.0	72.4	74.4	75.
GE 1200	6.5	63.4	66.2	70.7	72.9	73.2	75.5	77.6	78.
GE 1000	6.6	64.2	67.0	71.7	74.1	74.4	76.8	78.8	79.
GE 900	6.7	64.6	67.5	72.5	75.1	75.4	77.7	79.8	80.
GE 800	6.9	65.9	68.8	73.9	76.5	76.8	79.4	81.6	83.
GE 700	6.9	66.4	69.5	74.8	77.7	78.0	80.6	82.9	84.
GE 600	7.0	67.0	70.0	75.4	78.3	78.8	81.4	83.8	85.
GE 500	7.0	67.3	70.3	75.7	78.7	79.2	82.0	84.5	86.
GE 400	7.0	67.5	70.7	76.5	79.5	80.1	83.1	86.1	87.
GE 300	7.0	67.5	70.8	76.8	79.8	80.3	83.4	86.5	88.
GE 200	7.0	67.5	70.8	77.0	80.1	80.6	83.6	86.8	88.
GE 100	7.0	67.5	70.8	77.0	80.1	80.6	83.6	86.8	88.
GE 0	7.0	67.5	70.8	77.0	80.1	80.6	83.6	86.8	88.

TOTAL NUMBER OF OBSERVATIONS: 727

IL NCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
ON FROM HOURLY OBSERVATIONS

D UK PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 0300-0500

VISIBILITY IN HUNDREDS OF METERS

GE 1	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
3.	35.6	36.9	37.3	38.5	39.1	39.5	39.9	40.9	41.5	43.2
2.	38.9	40.3	40.7	42.0	42.5	42.9	43.3	44.3	45.1	46.9
2.	39.1	40.4	40.9	42.1	42.8	43.2	43.6	44.6	45.4	47.2
2.	39.1	40.4	40.9	42.1	42.8	43.2	43.6	44.6	45.4	47.2
2.	39.6	41.0	41.4	42.6	43.3	43.7	44.2	45.1	45.9	47.7
3.	40.3	41.7	42.1	43.3	44.0	44.4	44.8	45.8	46.6	48.4
3.	42.1	43.6	44.0	45.3	45.9	46.4	46.8	47.7	48.6	50.3
3.	42.9	44.4	44.8	46.1	46.8	47.2	47.6	48.6	49.4	51.2
3.	46.1	47.7	48.6	49.9	50.8	51.2	51.6	52.7	53.5	55.4
3.	46.4	48.0	48.8	50.2	51.0	51.4	51.9	53.0	53.9	55.8
2.	48.3	49.9	50.8	52.1	53.0	53.4	53.8	54.9	55.8	57.8
3.	52.7	54.5	55.3	56.7	57.5	57.9	58.3	59.4	60.4	62.3
3.	55.0	56.9	57.8	59.1	60.0	60.4	60.8	61.9	62.9	64.8
2.	58.9	60.0	60.8	62.2	63.0	63.4	63.8	64.9	65.9	67.8
3.	61.5	63.4	64.4	65.7	66.6	67.0	67.4	68.5	69.5	71.4
3.	64.0	65.9	67.0	68.4	69.2	69.7	70.2	71.3	72.2	74.1
3.	65.2	67.1	68.2	69.6	70.4	71.0	71.4	72.5	73.5	75.4
3.	68.6	70.6	71.7	73.0	73.9	74.4	74.8	75.9	76.9	78.8
3.	69.3	71.3	72.4	73.7	74.6	75.1	75.5	76.6	77.6	79.5
3.	72.4	74.4	75.5	76.9	77.7	78.3	78.7	79.8	80.7	82.7
3.	75.5	77.6	78.7	80.1	80.9	81.4	81.8	82.9	83.9	85.8
3.	76.8	78.8	79.9	81.3	82.1	82.7	83.1	84.2	85.1	87.1
2.	77.7	79.8	80.9	82.3	83.1	83.6	84.0	85.1	86.1	88.0
1.	79.4	81.6	83.1	84.5	85.3	85.8	86.2	87.3	88.3	90.2
1.	80.6	82.9	84.5	85.8	86.7	87.2	87.6	88.7	89.7	91.6
1.	81.4	83.8	85.4	86.8	87.6	88.2	88.6	89.7	90.6	92.6
1.	82.0	84.5	86.1	87.6	88.4	89.0	89.4	90.5	91.5	93.4
1.	83.1	86.1	87.8	89.4	90.2	90.8	91.2	92.4	93.5	95.5
1.	83.4	86.5	88.3	90.4	91.2	91.7	92.2	93.5	94.9	97.2
1.	83.6	86.8	88.7	90.8	91.6	92.2	92.7	94.2	95.9	98.8
1.	83.6	86.8	88.9	90.9	91.7	92.3	92.8	94.5	96.3	99.4
1.	83.6	86.8	88.9	90.9	91.7	92.3	92.8	94.5	96.6	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	VISIBILITY IN HUND
NO CEIL	2.7	19.5	20.3	22.3	23.2	23.4	24.3	25.2	26
GE 20000	3.5	22.7	23.9	26.2	27.4	27.6	28.8	30.0	31
GE 18000	3.5	23.0	24.2	26.4	27.6	27.9	29.1	30.4	32
GE 16000	3.5	23.0	24.2	26.4	27.6	27.9	29.1	30.4	32
GE 14000	3.6	23.4	24.6	26.8	28.0	28.3	29.5	30.8	32
GE 12000	3.6	24.0	25.4	27.8	29.0	29.2	30.4	31.8	33
GE 10000	3.6	27.1	28.8	31.2	32.4	32.7	34.4	35.8	37
GE 9000	3.6	28.2	29.9	32.3	33.5	33.8	35.5	36.8	38
GE 8000	3.6	31.8	33.8	36.3	37.5	37.8	39.5	40.9	42
GE 7000	3.6	33.8	35.8	38.3	39.5	39.8	41.5	42.9	44
GE 6000	3.9	35.4	37.4	39.9	41.1	41.4	43.1	44.5	46
GE 5000	4.0	38.7	41.3	44.2	45.9	46.2	48.1	49.7	52
GE 4500	4.0	40.1	42.9	46.1	47.8	48.1	49.9	51.8	54
GE 4000	4.0	42.5	45.4	48.7	50.5	50.7	52.6	54.6	57
GE 3500	4.0	43.9	47.0	50.3	52.5	52.7	54.6	56.6	59
GE 3000	4.9	48.2	51.3	55.0	57.5	57.8	59.7	61.8	64
GE 2500	5.5	49.7	52.7	56.7	59.3	59.5	61.4	63.7	66
GE 2000	5.7	51.8	55.0	59.1	61.9	62.2	64.1	66.4	69
GE 1800	6.0	52.2	55.4	59.5	62.3	62.6	64.5	66.8	69
GE 1500	6.5	55.0	58.3	63.6	66.4	66.6	68.6	70.9	73
GE 1200	7.6	56.3	59.8	65.4	68.5	68.8	71.2	73.6	76
GE 1000	8.1	57.7	61.1	67.3	70.4	70.9	73.4	75.8	78
GE 900	8.3	57.9	61.4	67.6	70.8	71.3	73.8	76.2	78
GE 800	8.3	58.3	61.9	68.2	71.6	72.1	74.6	77.0	80
GE 700	8.3	58.9	62.6	69.4	72.8	73.4	76.5	79.0	82
GE 600	8.3	59.0	62.8	69.8	73.2	73.8	76.9	79.4	82
GE 500	8.3	59.1	62.9	70.1	73.4	74.1	77.2	79.7	82
GE 400	8.3	59.1	63.0	70.5	73.8	74.5	78.0	80.6	84
GE 300	8.3	59.1	63.2	70.8	74.1	74.9	78.4	81.0	84
GE 200	8.3	59.1	63.2	70.8	74.1	74.9	78.4	81.2	84
GE 100	8.3	59.1	63.2	70.8	74.1	74.9	78.4	81.3	84
GE 0	8.3	59.1	63.2	70.8	74.1	74.9	78.4	81.3	84

TOTAL NUMBER OF OBSERVATIONS: 749

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 0600-0800

VISIBILITY IN HUNDREDS OF METERS

GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
24.3	25.2	26.8	28.2	28.4	28.8	29.2	30.3	31.2	32.8
28.8	30.0	31.9	33.5	33.8	34.3	34.7	35.8	36.8	39.0
29.1	30.4	32.3	33.9	34.2	34.7	35.1	36.2	37.2	39.4
29.1	30.4	32.3	33.9	34.2	34.7	35.1	36.2	37.2	39.4
29.5	30.8	32.7	34.3	34.6	35.1	35.5	36.6	37.7	39.8
30.4	31.8	33.6	35.2	35.5	36.0	36.4	37.5	38.6	40.7
34.4	35.8	37.8	39.7	39.9	40.5	40.9	42.1	43.1	45.5
35.5	36.8	38.9	40.7	41.0	41.5	41.9	43.1	44.2	46.6
39.5	40.9	42.9	44.7	45.0	45.5	45.9	47.3	48.3	50.7
41.5	42.9	44.9	46.7	47.0	47.5	47.9	49.3	50.3	52.7
43.1	44.5	46.9	48.9	49.1	49.7	50.1	51.4	52.5	54.9
48.1	49.7	52.2	54.3	54.6	55.1	55.5	56.9	57.9	60.3
49.9	51.8	54.5	56.7	57.0	57.5	57.9	59.3	60.3	62.8
52.6	54.6	57.3	59.7	59.9	60.5	60.9	62.2	63.3	65.7
54.6	56.6	59.3	61.7	61.9	62.5	62.9	64.4	65.4	67.8
59.7	61.8	64.5	66.9	67.2	67.7	68.1	69.6	70.6	73.0
61.4	63.7	66.4	68.8	69.2	69.7	70.1	71.6	72.6	75.0
64.1	66.4	69.0	71.6	72.0	72.5	72.9	74.4	75.4	77.8
64.5	66.8	69.4	72.0	72.4	72.9	73.3	74.8	75.8	78.2
68.6	70.9	73.6	76.1	76.5	77.0	77.4	78.9	80.0	82.4
71.2	73.6	76.2	78.8	79.2	79.7	80.1	81.6	82.6	85.0
73.4	75.8	78.5	81.0	81.4	82.0	82.4	83.8	84.9	87.3
73.8	76.2	78.9	81.4	81.8	82.4	82.8	84.2	85.3	87.7
74.6	77.0	80.1	82.6	83.0	83.6	84.1	85.6	86.6	89.1
76.5	79.0	82.1	84.6	85.0	85.6	86.1	87.6	88.7	91.1
76.9	79.4	82.5	85.3	85.7	86.2	86.8	88.4	89.5	91.9
77.2	79.7	82.8	85.6	86.0	86.5	87.2	88.9	90.0	92.4
78.0	80.6	84.0	87.2	87.6	88.1	88.8	90.5	91.6	94.0
78.4	81.0	84.4	88.1	88.5	89.2	90.0	92.0	93.3	96.3
78.4	81.2	84.5	88.4	88.8	89.6	90.7	93.1	94.8	99.3
78.4	81.3	84.6	88.5	88.9	89.7	90.8	93.2	95.2	99.7
78.4	81.3	84.6	88.5	88.9	89.7	90.8	93.2	95.2	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUNDRE GE 32	GE 24	GE 2
NO CEIL	2.9	24.3	25.5	27.2	28.4	28.6	29.2	29.3	30.
GE 20000	4.8	30.8	32.2	34.4	35.5	35.8	36.6	36.9	37.
GE 18000	4.8	30.8	32.2	34.4	35.5	35.8	36.6	36.9	37.
GE 16000	4.8	30.8	32.2	34.4	35.5	35.8	36.6	36.9	37.
GE 14000	5.0	31.3	32.8	34.9	36.1	36.3	37.1	37.4	38.
GE 12000	5.2	32.2	33.7	35.8	37.4	37.7	38.5	38.7	39.
GE 10000	5.2	35.8	37.3	39.7	41.2	41.5	42.7	43.0	43.
GE 9000	5.3	37.9	39.5	42.0	43.6	43.9	45.1	45.4	46.
GE 8000	5.3	40.2	41.8	44.3	45.9	46.2	47.3	47.6	48.
GE 7000	5.3	40.7	42.3	45.1	46.8	47.1	48.3	48.5	49.
GE 6000	5.8	41.6	43.2	46.0	47.9	48.1	49.5	49.7	50.
GE 5000	6.9	47.3	49.3	53.2	55.0	55.3	56.8	57.0	57.
GE 4500	7.3	49.3	51.3	55.3	57.3	57.6	59.0	59.3	59.
GE 4000	7.6	53.4	55.6	59.8	61.8	62.1	63.7	64.3	65.
GE 3500	7.8	56.4	58.5	62.7	64.7	65.0	66.6	67.2	67.
GE 3000	8.8	63.1	65.3	69.6	71.6	71.9	73.5	74.1	74.
GE 2500	9.5	64.7	66.8	71.2	73.3	73.6	75.3	76.0	76.
GE 2000	10.1	67.8	69.9	74.4	76.8	77.1	78.8	79.4	80.
GE 1800	10.3	68.2	70.3	74.8	77.3	77.6	79.3	80.0	80.
GE 1500	11.1	70.6	72.7	78.0	80.6	80.9	82.8	83.4	84.
GE 1200	12.6	73.9	76.0	82.1	85.0	85.5	87.5	88.2	89.
GE 1000	12.9	75.5	77.6	83.8	87.1	87.7	89.7	90.3	91.
GE 900	12.9	75.7	78.0	84.5	88.1	88.6	90.6	91.2	92.
GE 800	12.9	76.3	78.8	85.8	89.4	90.1	92.2	92.8	94.
GE 700	12.9	76.5	79.0	86.2	89.9	90.6	92.7	93.4	94.
GE 600	12.9	76.8	79.3	86.6	90.5	91.1	93.2	93.9	95.
GE 500	12.9	76.9	79.4	86.9	90.8	91.5	93.6	94.3	95.
GE 400	12.9	76.9	79.4	86.9	91.0	91.6	93.8	94.4	95.
GE 300	12.9	77.1	79.6	87.0	91.1	91.8	93.9	94.6	96.
GE 200	12.9	77.1	79.6	87.0	91.1	91.8	93.9	94.6	96.
GE 100	12.9	77.1	79.6	87.0	91.1	91.8	93.9	94.6	96.
GE 0	12.9	77.1	79.6	87.0	91.1	91.8	93.9	94.6	96.

TOTAL NUMBER OF OBSERVATIONS: 754

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EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 0900-1100

ME E 16 ...	VISIBILITY IN HUNDREDS OF METERS GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
.5	8.6	29.2	29.3	30.0	30.5	30.5	30.6	30.8	30.9	31.0	31.0
.2											
.2	5.8	36.6	36.9	37.5	38.2	38.2	38.3	38.5	38.6	38.7	38.9
.2	5.8	36.6	36.9	37.5	38.2	38.2	38.3	38.5	38.6	38.7	38.9
.7	5.8	36.6	36.9	37.5	38.2	38.2	38.3	38.5	38.6	38.7	38.9
.1	6.3	37.1	37.4	38.1	38.7	38.7	38.9	39.0	39.1	39.3	39.4
	7.7	38.5	38.7	39.4	40.1	40.1	40.2	40.3	40.5	40.6	40.7
.3											
.7	1.5	42.7	43.0	43.6	44.3	44.3	44.4	44.6	44.7	44.8	45.0
.1	3.9	45.1	45.4	46.0	46.7	46.7	46.8	46.9	47.1	47.2	47.3
.0	4.2	47.3	47.6	48.3	49.1	49.1	49.2	49.3	49.5	49.6	49.7
.2	7.1	48.3	48.5	49.2	50.0	50.0	50.1	50.3	50.4	50.5	50.7
	5.1	49.5	49.7	50.4	51.2	51.2	51.3	51.6	51.7	51.9	52.0
.6											
.9	5.3	56.8	57.0	57.7	58.6	58.6	58.8	59.0	59.2	59.3	59.4
.9	7.6	59.0	59.3	59.9	60.9	60.9	61.0	61.3	61.4	61.5	61.7
.8	2.1	63.7	64.3	65.0	65.9	65.9	66.0	66.3	66.4	66.6	66.7
.7	5.0	66.6	67.2	67.9	68.8	68.8	69.0	69.2	69.4	69.5	69.6
	1.9	73.5	74.1	74.8	75.7	75.7	75.9	76.1	76.3	76.4	76.5
.6											
.0	3.6	75.3	76.0	76.7	77.6	77.6	77.7	78.0	78.1	78.2	78.4
.6	7.1	78.8	79.4	80.1	81.0	81.0	81.2	81.4	81.6	81.7	81.8
.0	7.0	79.3	80.0	80.6	81.6	81.6	81.7	82.0	82.1	82.2	82.4
.9	0.9	82.8	83.4	84.1	85.0	85.0	85.1	85.4	85.5	85.7	85.8
	5.5	87.5	88.2	89.0	89.9	89.9	90.1	90.3	90.5	90.6	90.7
.3											
.2	7.7	89.7	90.3	91.2	92.3	92.3	92.4	92.7	92.8	93.0	93.1
.1	3.6	90.6	91.2	92.2	93.2	93.2	93.4	93.6	93.8	93.9	94.0
.6	1.1	92.2	92.8	94.0	95.1	95.1	95.2	95.5	95.6	95.8	95.9
.3	0.6	92.7	93.4	94.6	95.6	95.6	95.8	96.0	96.2	96.3	96.4
	1.1	93.2	93.9	95.1	96.3	96.4	96.6	96.8	96.9	97.1	97.2
.8											
.7	1.5	93.6	94.3	95.5	96.8	96.9	97.1	97.3	97.5	97.6	97.7
.1	4.6	93.8	94.4	95.9	97.7	98.0	98.1	98.4	98.5	98.7	98.8
.3	1.8	93.9	94.6	96.3	98.1	98.5	98.7	98.9	99.5	99.6	99.7
.3	1.8	93.9	94.6	96.4	98.3	98.7	98.8	99.1	99.6	99.9	100.0
	1.8	93.9	94.6	96.4	98.3	98.7	98.8	99.1	99.6	99.9	100.0
.3											
...	1.8	93.9	94.6	96.4	98.3	98.7	98.8	99.1	99.6	99.9	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	2.3	26.6	26.7	28.0	28.3	28.3	28.8	28.8	29.
GE 20000	5.3	35.6	35.7	37.1	37.3	37.3	37.8	37.8	38.
GE 18000	5.3	36.3	36.4	37.7	38.0	38.0	38.5	38.5	38.
GE 16000	5.3	36.3	36.4	37.7	38.0	38.0	38.5	38.5	38.
GE 14000	5.7	36.9	37.1	38.4	38.6	38.6	39.3	39.3	39.
GE 12000	6.2	38.0	38.1	39.6	40.0	40.0	40.6	40.6	40.
GE 10000	6.8	42.2	42.4	43.8	44.5	44.5	45.3	45.3	45.
GE 9000	6.8	43.6	43.7	45.2	45.8	45.8	46.6	46.6	46.
GE 8000	6.8	47.0	47.1	48.6	49.3	49.3	50.1	50.2	50.
GE 7000	6.8	47.8	47.9	49.4	50.1	50.1	50.9	51.0	51.
GE 6000	8.1	51.0	51.1	52.6	53.3	53.4	54.4	54.6	54.
GE 5000	9.7	58.4	58.8	60.3	61.0	61.1	62.4	62.5	62.
GE 4500	10.2	62.4	63.1	64.5	65.2	65.3	66.7	66.8	66.
GE 4000	10.9	68.3	69.1	70.5	71.2	71.3	72.9	73.3	73.
GE 3500	11.3	72.8	73.6	75.2	75.8	76.0	77.6	78.0	78.
GE 3000	12.4	79.5	80.5	82.6	83.5	83.7	85.4	85.8	85.
GE 2500	13.8	81.8	82.7	85.1	86.1	86.2	87.9	88.3	88.
GE 2000	15.0	84.9	85.8	88.7	89.6	89.8	91.6	92.0	92
GE 1800	15.7	85.9	86.9	89.8	90.8	91.0	92.8	93.2	93
GE 1500	15.9	87.3	88.3	91.4	92.7	92.8	94.8	95.2	95
GE 1200	16.5	88.4	89.8	93.1	94.6	94.7	96.8	97.3	97
GE 1000	16.5	88.7	90.0	93.8	95.4	95.6	98.0	98.5	98
GE 900	16.5	88.7	90.0	93.8	95.4	95.6	98.1	98.7	98
GE 800	16.5	88.7	90.0	94.0	95.6	95.9	98.5	99.1	99
GE 700	16.5	88.8	90.2	94.2	95.8	96.0	98.7	99.3	99
GE 600	16.5	88.8	90.2	94.2	95.9	96.1	98.9	99.7	99
GE 500	16.5	88.8	90.2	94.2	95.9	96.1	99.1	99.9	100
GE 400	16.5	88.8	90.2	94.2	95.9	96.1	99.1	99.9	100
GE 300	16.5	88.8	90.2	94.2	95.9	96.1	99.1	99.9	100
GE 200	16.5	88.8	90.2	94.2	95.9	96.1	99.1	99.9	100
GE 100	16.5	88.8	90.2	94.2	95.9	96.1	99.1	99.9	100
GE 0	16.5	88.8	90.2	94.2	95.9	96.1	99.1	99.9	100

TOTAL NUMBER OF OBSERVATIONS: 753

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 1200-1400

	VISIBILITY IN HUNDREDS OF METERS									
	GE 0	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
	3	28.8	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
	3	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
	0	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
	0	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
	6	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
	0	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
	5	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
	8	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
	3	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
	1	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
	4	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
	1	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
	3	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
	3	72.9	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
	0	77.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
	7	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
	2	87.9	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
	8	91.6	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
	0	92.8	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
	8	94.8	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
	7	96.8	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
	6	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	6	98.1	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
	9	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
	0	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
	1	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	1	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUN							
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
NO CEIL	3.6	29.3	30.1	31.7	32.4	32.4	32.8	32.8
GE 20000	6.4	38.4	39.3	40.9	41.6	41.6	42.1	42.1
GE 18000	6.4	38.5	39.5	41.1	41.7	41.7	42.3	42.3
GE 16000	6.5	38.8	39.7	41.3	42.0	42.0	42.5	42.5
GE 14000	6.7	39.3	40.3	42.0	42.7	42.7	43.2	43.2
GE 12000	8.1	41.9	42.8	44.5	45.2	45.2	45.7	45.7
GE 10000	9.1	47.3	48.4	50.5	51.3	51.3	52.1	52.1
GE 9000	9.2	48.7	49.7	51.9	52.7	52.7	53.5	53.5
GE 8000	9.2	52.4	53.5	55.7	56.5	56.5	57.3	57.3
GE 7000	9.3	54.0	55.1	57.3	58.1	58.1	58.9	58.9
GE 6000	10.9	56.9	58.1	60.4	61.2	61.2	62.0	62.0
GE 5000	12.7	66.4	67.7	70.1	70.9	70.9	72.1	72.1
GE 4500	12.9	70.7	72.0	74.4	75.2	75.2	76.5	76.5
GE 4000	13.9	75.6	76.9	79.5	80.4	80.4	82.0	82.0
GE 3500	13.9	77.9	79.2	81.7	82.7	82.7	84.3	84.3
GE 3000	14.7	82.4	83.9	86.4	87.6	87.6	89.2	89.3
GE 2500	15.3	84.7	86.1	89.3	90.7	90.7	92.3	92.4
GE 2000	15.7	86.5	88.0	91.2	92.5	92.5	94.1	94.4
GE 1800	15.9	86.9	88.4	91.7	93.1	93.1	94.8	95.1
GE 1500	15.9	88.1	90.0	93.3	94.8	94.8	96.5	96.8
GE 1200	15.9	88.9	90.9	94.4	95.9	95.9	97.7	98.0
GE 1000	15.9	89.3	91.3	94.9	96.5	96.5	98.4	98.8
GE 900	15.9	89.3	91.3	94.9	96.5	96.5	98.4	98.8
GE 800	15.9	89.5	91.5	95.1	96.7	96.7	99.2	99.6
GE 700	15.9	89.5	91.5	95.1	96.7	96.7	99.2	99.6
GE 600	15.9	89.5	91.5	95.1	96.7	96.7	99.2	99.7
GE 500	15.9	89.5	91.5	95.1	96.7	96.7	99.2	99.7
GE 400	15.9	89.5	91.5	95.1	96.7	96.7	99.2	99.7
GE 300	15.9	89.5	91.5	95.1	96.7	96.7	99.2	99.7
GE 200	15.9	89.5	91.5	95.1	96.7	96.7	99.2	99.7
GE 100	15.9	89.5	91.5	95.1	96.7	96.7	99.2	99.7
GE 0	15.9	89.5	91.5	95.1	96.7	96.7	99.2	99.7

TOTAL NUMBER OF OBSERVATIONS: 750

NCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UK

PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 1500-1700

VISIBILITY IN HUNDREDS OF METERS

GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
72.1	72.1	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4
76.5	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8
82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3
84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
89.2	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
92.3	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7
94.1	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
94.8	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
96.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
97.7	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
98.4	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
98.4	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUND GE 32	GE 24	
NO CEIL	.5	40.1	40.5	44.0	45.2	45.2	46.6	46.6	46
GE 20000	.9	46.2	46.8	50.6	52.0	52.0	53.6	53.6	53
GE 18000	.9	46.2	46.8	50.6	52.0	52.0	53.6	53.6	53
GE 16000	.9	46.2	46.8	50.6	52.0	52.0	53.6	53.6	53
GE 14000	1.0	46.8	47.3	51.1	52.5	52.5	54.1	54.1	54
GE 12000	1.0	47.5	48.0	51.8	53.2	53.2	54.8	54.8	54
GE 10000	1.0	51.8	52.4	56.4	58.1	58.1	59.7	59.7	59
GE 9000	1.0	52.5	53.2	57.2	59.0	59.0	60.6	60.6	60
GE 8000	1.0	58.1	58.8	62.8	64.9	64.9	66.5	66.5	66
GE 7000	1.0	58.8	59.5	63.5	65.6	65.6	67.2	67.2	67
GE 6000	1.0	60.2	61.1	65.1	67.2	67.2	68.8	68.8	68
GE 5000	1.0	67.2	68.1	72.3	74.5	74.5	76.1	76.1	76
GE 4500	1.0	71.4	72.3	76.4	78.7	78.7	80.3	80.3	80
GE 4000	1.0	74.5	75.4	79.8	82.0	82.0	83.6	83.6	83
GE 3500	1.2	75.4	76.3	80.6	82.9	82.9	84.5	84.5	84
GE 3000	1.4	79.6	80.5	85.0	87.3	87.3	88.8	88.8	88
GE 2500	1.4	80.5	81.3	85.9	89.0	89.0	90.6	90.6	90
GE 2000	1.4	82.7	83.6	88.3	91.4	91.4	93.0	93.0	93
GE 1800	1.4	82.9	83.8	88.5	91.6	91.6	93.2	93.2	93
GE 1500	1.4	83.4	84.3	89.4	92.7	92.7	94.2	94.4	94
GE 1200	1.4	84.3	85.3	90.4	93.7	93.7	95.5	95.6	95
GE 1000	1.4	85.3	86.6	92.0	95.3	95.3	97.4	97.6	97
GE 900	1.4	85.5	87.1	92.7	96.0	96.0	98.1	98.3	98
GE 800	1.4	85.5	87.1	92.7	96.0	96.0	98.6	98.8	98
GE 700	1.4	85.5	87.1	93.0	96.3	96.3	99.1	99.3	99
GE 600	1.4	85.5	87.1	93.0	96.3	96.3	99.1	99.3	99
GE 500	1.4	85.5	87.1	93.0	96.3	96.3	99.1	99.3	99
GE 400	1.4	85.5	87.1	93.0	96.3	96.3	99.1	99.3	99
GE 300	1.4	85.5	87.1	93.0	96.3	96.3	99.1	99.3	99
GE 200	1.4	85.5	87.1	93.0	96.3	96.3	99.1	99.3	99
GE 100	1.4	85.5	87.1	93.0	96.3	96.3	99.1	99.3	99
GE 0	1.4	85.5	87.1	93.0	96.3	96.3	99.1	99.3	99

TOTAL NUMBER OF OBSERVATIONS: 573

ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

D UK

PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): 1800-2000

CEILING IN HUNDREDS OF FEET / VISIBILITY IN HUNDREDS OF METERS	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
16	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.8	46.8
3.	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.8	53.8
3.	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.8	53.8
3.	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.8	53.8
4.	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.3	54.3
4.	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.0	55.0
9.	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.9	59.9
0.	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7
6.	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.7
7.	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.4	67.4
8.	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9
6.	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3
0.	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.6	80.6
3.	83.6	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.9	83.9
4.	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.8	84.8
9.	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.2	89.2
0.	90.6	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.9	90.9
3.	93.0	93.0	93.0	93.4	93.4	93.4	93.4	93.4	93.5	93.5
3.	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.7	93.7
4.	94.2	94.4	94.4	94.8	94.8	94.8	94.8	94.8	94.9	94.9
6.	95.5	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.2	96.2
7.	97.4	97.6	97.6	97.9	97.9	97.9	97.9	97.9	98.1	98.1
8.	98.1	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.8	98.8
9.	98.6	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.3	99.3
9.	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.8	99.8
9.	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0
9.	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0
9.	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0
9.	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0
9.	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0
9.	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRE
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
							VISIBILITY IN	
NO CEIL	1.5	43.3	43.5	44.9	46.1	46.2	49.1	49.1
GE 20000	1.9	45.0	45.5	47.3	48.6	48.8	52.1	52.1
GE 18000	1.9	45.0	45.5	47.3	48.6	48.8	52.1	52.1
GE 16000	1.9	45.0	45.5	47.3	48.6	48.8	52.1	52.1
GE 14000	1.9	45.0	45.5	47.3	48.6	48.8	52.1	52.1
GE 12000	2.1	46.2	46.7	48.5	49.8	50.0	53.3	53.3
GE 10000	2.2	50.9	51.4	53.3	55.0	55.3	58.6	58.6
GE 9000	2.4	51.2	51.7	53.6	55.3	55.7	58.9	58.9
GE 8000	2.4	57.0	57.5	59.9	61.6	62.0	65.2	65.2
GE 7000	2.4	58.6	59.1	61.5	63.2	63.5	66.8	66.8
GE 6000	2.9	59.8	60.4	62.8	64.6	64.9	68.2	68.2
GE 5000	3.1	64.9	65.6	68.3	70.4	70.7	74.0	74.1
GE 4500	3.1	67.5	68.2	70.9	72.9	73.3	76.5	76.7
GE 4000	3.1	70.4	71.1	74.1	76.2	76.5	79.8	80.0
GE 3500	3.3	71.7	72.4	75.5	77.6	77.9	81.2	81.3
GE 3000	3.3	73.8	74.5	77.7	79.8	80.1	83.4	83.6
GE 2500	3.3	75.0	75.7	78.9	81.2	81.5	84.8	84.9
GE 2000	3.4	76.7	77.6	81.0	83.6	83.9	87.2	87.3
GE 1800	3.6	76.9	77.7	81.2	83.7	84.1	87.3	87.5
GE 1500	3.8	78.9	80.0	83.6	86.1	86.5	89.7	89.9
GE 1200	3.9	80.5	81.7	85.4	88.0	88.4	91.8	92.0
GE 1000	3.9	81.3	82.5	86.6	89.2	89.6	93.3	93.5
GE 900	3.9	82.5	83.7	87.8	90.6	90.9	94.7	94.9
GE 800	3.9	83.2	84.4	88.7	91.4	91.8	95.9	96.1
GE 700	3.9	83.9	85.1	89.6	92.3	92.6	96.9	97.1
GE 600	3.9	83.9	85.1	89.6	92.8	93.2	97.4	97.6
GE 500	3.9	83.9	85.1	89.6	93.2	93.5	97.8	97.9
GE 400	3.9	83.9	85.1	89.6	93.3	93.7	97.9	98.1
GE 300	3.9	83.9	85.1	89.6	93.3	93.7	97.9	98.1
GE 200	3.9	83.9	85.1	89.6	93.3	93.7	97.9	98.1
GE 100	3.9	83.9	85.1	89.6	93.3	93.7	97.9	98.3
GE 0	3.9	83.9	85.1	89.6	93.3	93.7	97.9	98.3

TOTAL NUMBER OF OBSERVATIONS: 584

ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

D UK

PERIOD OF RECORD: 75-76,81-86
MONTH: SEP HOURS(LST): 2100-2300

VISIBILITY IN HUNDREDS OF METERS

GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
49.1	49.1	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7
52.1	52.1	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.6
52.1	52.1	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.6
52.1	52.1	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.6
52.1	52.1	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.6
53.3	53.3	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8
58.6	58.6	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1
58.9	58.9	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4
65.2	65.2	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8
66.8	66.8	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3
68.2	68.2	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7
74.0	74.1	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7
76.5	76.7	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2
79.8	80.0	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5
81.2	81.3	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8
83.4	83.6	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1
84.8	84.9	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4
87.2	87.3	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
87.3	87.5	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0
89.7	89.9	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4
91.8	92.0	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.6
93.3	93.5	93.8	94.2	94.5	94.5	94.5	94.5	94.5	94.5
94.7	94.9	95.2	95.5	95.9	95.9	95.9	95.9	95.9	95.9
95.9	96.1	96.4	96.7	97.1	97.1	97.1	97.1	97.1	97.1
96.9	97.1	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1
97.4	97.6	97.9	98.5	98.8	98.8	98.8	98.8	98.8	98.8
97.8	97.9	98.5	99.3	99.7	99.7	99.7	99.7	99.7	99.7
97.9	98.1	98.6	99.5	99.8	99.8	99.8	99.8	99.8	99.8
97.9	98.1	98.6	99.5	99.8	99.8	99.8	99.8	99.8	99.8
97.9	98.1	98.6	99.5	99.8	99.8	99.8	99.8	99.8	99.8
97.9	98.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0
97.9	98.3	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM FOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUN GE 32	GE 24	
NO CEIL	2.5	30.4	31.1	33.1	34.1	34.2	35.4	35.8	3
GE 20000	3.9	35.6	36.5	38.7	39.9	40.1	41.4	42.0	4
GE 18000	3.9	35.8	36.7	38.9	40.1	40.3	41.6	42.2	4
GE 16000	3.9	35.8	36.7	39.0	40.1	40.3	41.7	42.2	4
GE 14000	4.0	36.2	37.1	39.4	40.6	40.7	42.1	42.7	4
GE 12000	4.3	37.3	38.2	40.5	41.8	41.9	43.3	43.9	4
GE 10000	4.6	41.0	42.0	44.5	45.9	46.0	47.7	48.2	4
GE 9000	4.6	42.0	43.0	45.5	46.9	47.1	48.7	49.3	4
GE 8000	4.6	45.7	46.9	49.5	50.9	51.1	52.7	53.4	5
GE 7000	4.7	46.8	47.9	50.6	52.0	52.2	53.8	54.5	5
GE 6000	5.3	48.6	49.7	52.5	54.0	54.2	55.9	56.5	5
GE 5000	6.1	54.3	55.8	58.9	60.6	60.8	62.6	63.3	6
GE 4500	6.3	57.2	58.7	61.9	63.6	63.8	65.7	66.4	6
GE 4000	6.6	60.9	62.5	65.8	67.5	67.8	69.7	70.6	7
GE 3500	6.8	63.3	64.9	68.3	70.0	70.3	72.2	73.1	7
GE 3000	7.4	67.6	69.3	72.8	74.7	74.9	76.9	77.8	7
GE 2500	7.8	69.1	70.8	74.5	76.5	76.7	78.7	79.6	8
GE 2000	8.3	71.5	73.3	77.2	79.3	79.5	81.6	82.5	8
GE 1800	8.5	71.9	73.7	77.6	79.8	80.0	82.1	83.0	8
GE 1500	8.8	73.7	75.7	80.0	82.3	82.5	84.6	85.6	8
GE 1200	9.5	75.6	77.7	82.3	84.7	84.9	87.2	88.2	8
GE 1000	9.6	76.5	78.6	83.5	86.0	86.3	88.8	89.8	9
GE 900	9.7	76.8	79.0	84.0	86.6	87.0	89.4	90.5	9
GE 800	9.7	77.4	79.7	84.8	87.5	87.8	90.5	91.6	9
GE 700	9.7	77.8	80.1	85.4	88.1	88.5	91.3	92.5	9
GE 600	9.8	77.9	80.2	85.6	88.4	88.8	91.7	92.9	9
GE 500	9.8	78.0	80.3	85.8	88.6	89.0	92.0	93.3	9
GE 400	9.8	78.1	80.4	86.0	88.9	89.3	92.4	93.8	9
GE 300	9.8	78.1	80.5	86.1	89.1	89.5	92.5	94.0	9
GE 200	9.8	78.1	80.5	86.1	89.1	89.5	92.6	94.0	9
GE 100	9.8	78.1	80.5	86.1	89.1	89.5	92.6	94.1	9
GE 0	9.8	78.1	80.5	86.1	89.1	89.5	92.6	94.1	9

TOTAL NUMBER OF OBSERVATIONS: 5594

ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UK

PERIOD OF RECORD: 75-76,80-86
MONTH: SEP HOURS(LST): ALL

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
GE 22	35.4	35.8	36.3	36.8	37.0	37.1	37.3	37.6	37.8	38.3
GE 20	41.4	42.0	42.5	43.0	43.2	43.4	43.5	43.8	44.1	44.8
GE 18	41.6	42.2	42.7	43.2	43.4	43.6	43.8	44.0	44.4	45.0
GE 16	41.7	42.2	42.7	43.3	43.5	43.7	43.8	44.1	44.4	45.0
GE 14	42.1	42.7	43.2	43.7	43.9	44.1	44.2	44.5	44.8	45.5
GE 12	43.3	43.9	44.4	44.9	45.1	45.3	45.5	45.7	46.0	46.7
GE 10	47.7	48.2	48.8	49.4	49.6	49.8	49.9	50.2	50.5	51.2
GE 9	48.7	49.3	49.9	50.5	50.7	50.9	51.0	51.3	51.6	52.3
GE 8	52.7	53.4	54.0	54.6	54.8	55.0	55.1	55.5	55.8	56.5
GE 7	53.8	54.5	55.1	55.7	55.9	56.1	56.2	56.6	56.9	57.6
GE 6	55.9	56.5	57.2	57.8	58.0	58.2	58.4	58.7	59.0	59.7
GE 5	62.6	63.3	64.0	64.7	64.9	65.1	65.3	65.6	65.9	66.6
GE 4	65.7	66.4	67.1	67.9	68.1	68.3	68.4	68.8	69.1	69.8
GE 3	69.7	70.6	71.3	72.0	72.2	72.4	72.6	72.9	73.3	73.9
GE 2	72.2	73.1	73.8	74.5	74.8	75.0	75.1	75.5	75.8	76.5
GE 1	76.9	77.8	78.6	79.3	79.5	79.7	79.9	80.3	80.6	81.3
GE 0	78.7	79.6	80.4	81.1	81.4	81.6	81.7	82.1	82.4	83.1
	81.6	82.5	83.2	84.0	84.3	84.5	84.6	85.0	85.3	86.0
	82.1	83.0	83.8	84.6	84.8	85.0	85.2	85.5	85.9	86.5
	84.6	85.6	86.4	87.2	87.4	87.6	87.8	88.1	88.5	89.1
	87.2	88.2	89.0	89.8	90.0	90.2	90.4	90.7	91.1	91.7
	88.8	89.8	90.6	91.4	91.7	91.9	92.0	92.4	92.7	93.4
	89.4	90.5	91.3	92.1	92.4	92.6	92.8	93.1	93.4	94.1
	90.5	91.6	92.5	93.4	93.7	93.9	94.1	94.4	94.7	95.4
	91.3	92.5	93.5	94.4	94.6	94.8	95.0	95.4	95.7	96.4
	91.7	92.9	93.9	94.9	95.2	95.4	95.6	96.0	96.3	97.0
	92.0	93.3	94.3	95.4	95.6	95.9	96.0	96.4	96.8	97.4
	92.4	93.8	94.8	96.1	96.4	96.6	96.8	97.2	97.5	98.2
	92.5	94.0	95.1	96.5	96.8	97.0	97.2	97.7	98.2	99.0
	92.6	94.0	95.2	96.6	96.9	97.2	97.4	98.0	98.6	99.7
	92.6	94.1	95.3	96.7	97.0	97.3	97.5	98.2	98.7	99.9
	92.6	94.1	95.3	96.7	97.0	97.3	97.6	98.2	98.8	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	3.3	31.1	31.9	34.0	35.6	36.0	36.7	37.2	37
GE 20000	3.6	33.1	33.9	36.0	37.9	38.3	39.0	39.5	39
GE 18000	3.6	33.2	34.0	36.1	38.0	38.4	39.1	39.6	39
GE 16000	3.6	33.2	34.0	36.1	38.0	38.4	39.1	39.6	39
GE 14000	3.6	33.2	34.0	36.1	38.0	38.4	39.1	39.6	39
GE 12000	4.3	34.9	36.0	38.3	40.2	40.6	41.2	41.8	41
GE 10000	4.3	36.9	38.0	40.6	42.8	43.4	44.0	44.6	44
GE 9000	4.3	37.8	38.8	41.4	43.6	44.2	44.8	45.4	45
GE 8000	4.3	41.4	42.4	45.0	47.3	47.8	48.7	49.3	49
GE 7000	4.4	42.6	43.6	46.2	48.5	49.0	49.9	50.5	50
GE 6000	5.0	43.1	44.2	47.1	49.4	49.9	50.9	51.4	51
GE 5000	5.4	47.3	48.3	51.4	53.8	54.4	55.4	56.0	56
GE 4500	5.5	49.1	50.3	53.7	56.1	56.6	57.7	58.2	58
GE 4000	5.9	53.4	54.8	58.2	60.6	61.2	62.2	62.8	63
GE 3500	6.0	54.8	56.1	60.0	63.3	63.9	64.9	65.6	66
GE 3000	6.3	59.3	61.2	65.5	68.8	69.6	70.8	71.5	71
GE 2500	6.7	60.8	62.8	67.1	71.1	72.3	73.6	74.4	74
GE 2000	6.8	63.7	65.9	70.7	74.8	76.7	78.6	79.4	79
GE 1800	6.8	63.9	66.0	71.0	75.1	77.0	78.8	79.7	80
GE 1500	7.1	66.3	68.4	73.5	77.6	79.5	81.4	82.2	82
GE 1200	7.4	68.7	70.8	76.0	80.2	82.1	83.9	84.9	85
GE 1000	7.4	69.3	71.5	76.7	81.0	83.0	84.9	85.9	86
GE 900	7.6	70.5	72.8	78.0	82.6	84.6	86.5	87.6	88
GE 800	7.6	71.4	74.0	79.7	84.2	86.2	88.1	89.2	89
GE 700	7.6	72.4	75.1	80.7	85.7	87.8	89.8	90.9	91
GE 600	7.6	73.0	75.8	81.8	86.7	89.3	91.6	92.6	93
GE 500	7.6	73.2	76.0	82.1	87.1	89.7	92.1	93.3	93
GE 400	7.6	73.4	76.2	82.2	87.3	89.8	92.2	93.4	94
GE 300	7.6	73.4	76.2	82.6	88.1	90.6	93.2	94.4	94
GE 200	7.6	73.4	76.2	82.6	88.4	90.9	93.4	94.6	95
GE 100	7.6	73.4	76.2	82.6	88.4	90.9	93.4	94.6	95
GE 0	7.6	73.4	76.2	82.6	88.4	90.9	93.4	94.6	95

TOTAL NUMBER OF OBSERVATIONS: 747

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ERFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: OCT HOURS(LST): 0000-0200

GE	VISIBILITY IN HUNDREDS OF METERS										
1	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
7.	36.0	36.7	37.2	37.3	37.6	37.6	37.6	37.8	39.0	39.2	39.6
9.											
0.	38.3	39.0	39.5	39.6	39.9	39.9	39.9	40.0	41.6	41.9	42.3
0.	38.4	39.1	39.6	39.8	40.0	40.0	40.0	40.2	41.8	42.0	42.4
0.	38.4	39.1	39.6	39.8	40.0	40.0	40.0	40.2	41.8	42.0	42.4
2.	38.4	39.1	39.6	39.8	40.0	40.0	40.0	40.2	41.8	42.0	42.4
	40.6	41.2	41.8	41.9	42.3	42.3	42.3	42.4	44.0	44.3	44.7
5.											
5.	43.4	44.0	44.6	44.7	45.1	45.1	45.1	45.2	46.9	47.1	47.5
9.	44.2	44.8	45.4	45.5	45.9	45.9	45.9	46.1	47.7	47.9	48.3
1.	47.8	48.7	49.3	49.4	49.8	49.8	49.8	49.9	51.5	51.8	52.2
1.	49.0	49.9	50.5	50.6	51.0	51.0	51.0	51.1	52.7	53.0	53.4
	49.9	50.9	51.4	51.5	51.9	51.9	51.9	52.1	53.7	53.9	54.4
6.											
3.	54.4	55.4	56.0	56.1	56.5	56.5	56.5	56.6	58.2	58.5	58.9
3.	56.6	57.7	58.2	58.4	58.8	58.8	58.8	58.9	60.5	60.8	61.2
5.	61.2	62.2	62.8	63.2	63.6	63.6	63.6	63.7	65.3	65.6	66.0
2.	63.9	64.9	65.6	66.0	66.4	66.4	66.4	66.5	68.1	68.4	68.8
	69.6	70.8	71.5	71.9	72.3	72.3	72.3	72.4	74.0	74.3	74.7
5.											
0.	72.3	73.6	74.4	74.8	75.2	75.2	75.2	75.4	77.0	77.2	77.6
0.	76.7	78.6	79.4	79.9	80.3	80.3	80.3	80.5	82.1	82.3	82.7
3.	77.0	78.8	79.7	80.2	80.6	80.6	80.6	80.7	82.3	82.6	83.0
5.	79.5	81.4	82.2	82.7	83.1	83.1	83.1	83.3	84.9	85.1	85.5
	82.1	83.9	84.9	85.4	85.8	85.8	85.8	85.9	87.6	87.8	88.2
7.											
3.	83.0	84.9	85.9	86.5	87.0	87.0	87.0	87.1	88.8	89.0	89.4
0.	84.6	86.5	87.6	88.1	88.8	88.8	88.8	88.9	90.5	90.8	91.2
2.	86.2	88.1	89.2	89.7	90.4	90.4	90.4	90.5	92.1	92.4	92.8
3.	87.8	89.8	90.	91.4	92.1	92.1	92.1	92.2	93.8	94.1	94.5
	89.3	91.6	92.	93.2	93.8	93.8	93.8	94.0	95.6	95.9	96.3
4.											
4.	89.7	92.1	93.3	93.8	94.5	94.5	94.5	94.6	96.3	96.5	96.9
5.	89.8	92.2	93.4	94.0	94.6	94.6	94.6	94.8	96.4	96.7	97.2
6.	90.6	93.2	94.4	94.9	95.6	96.0	96.0	96.3	98.0	98.3	98.8
6.	90.9	93.4	94.6	95.2	96.0	96.4	96.4	96.7	98.4	98.7	99.7
	90.9	93.4	94.6	95.2	96.0	96.4	96.4	96.7	98.4	98.7	99.7
6.											
	90.9	93.4	94.6	95.2	96.0	96.5	96.5	96.9	98.7	98.9	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE
NO CEIL	28.8	28.8	29.1	31.2	32.2	32.9	33.8	33.9	34
GE 20000	3.0	30.1	30.4	32.6	33.7	34.5	35.4	35.5	35
GE 18000	3.0	30.1	30.4	32.6	33.7	34.5	35.4	35.5	35
GE 16000	3.0	30.1	30.4	32.6	33.7	34.5	35.4	35.5	35
GE 14000	3.0	30.1	30.4	32.6	33.7	34.5	35.4	35.5	35
GE 12000	3.1	31.1	31.3	33.7	34.7	35.5	36.4	36.6	36
GE 10000	3.1	32.0	32.2	34.6	35.8	36.6	37.5	37.6	37
GE 9000	3.1	32.5	32.8	35.1	36.4	37.2	38.1	38.3	38
GE 8000	3.1	35.4	35.6	38.0	39.3	40.1	41.2	41.3	41
GE 7000	3.1	36.0	36.3	38.7	40.0	40.8	41.8	41.9	42
GE 6000	3.1	37.0	37.2	39.8	41.2	41.9	43.1	43.3	43
GE 5000	3.1	40.9	41.2	43.9	45.5	46.7	48.0	48.1	48
GE 4500	3.1	43.5	43.8	46.5	48.1	49.3	50.9	51.2	51
GE 4000	3.9	47.3	47.6	50.6	52.2	53.5	55.0	55.4	55
GE 3500	3.9	48.9	49.3	52.7	54.4	56.0	57.7	58.1	58
GE 3000	4.3	52.2	52.8	56.6	58.8	60.4	62.1	62.5	62
GE 2500	4.6	54.7	55.3	59.5	61.9	63.8	65.7	66.1	66
GE 2000	5.1	59.1	60.0	64.4	66.8	69.6	71.4	71.8	72
GE 1800	5.4	59.8	60.7	65.0	67.5	70.2	72.1	72.6	72
GE 1500	5.5	62.1	63.0	67.5	70.0	72.7	74.7	75.5	75
GE 1200	5.5	64.1	65.0	69.5	72.1	75.0	77.1	78.0	78
GE 1000	5.6	65.7	66.6	71.2	73.9	77.1	79.4	80.3	80
GE 900	5.6	66.7	67.6	72.3	75.2	78.5	80.9	81.8	82
GE 800	5.6	67.8	69.2	74.0	77.2	80.7	83.1	84.0	84
GE 700	5.6	68.5	70.0	75.1	78.2	81.9	84.5	85.7	86
GE 600	5.6	68.9	70.6	75.8	78.9	82.6	85.2	86.4	86
GE 500	5.6	68.9	70.6	75.9	79.2	82.8	85.8	87.0	87
GE 400	5.6	68.9	70.6	76.3	79.8	83.5	86.6	88.1	88
GE 300	5.6	68.9	70.6	76.3	79.8	83.5	86.8	88.2	88
GE 200	5.6	68.9	70.6	76.3	79.8	83.5	86.8	88.5	88
GE 100	5.6	68.9	70.6	76.3	79.8	83.5	86.8	88.5	88
GE 0	5.6	68.9	70.6	76.3	79.8	83.5	86.8	88.5	88

TOTAL NUMBER OF OBSERVATIONS: 763

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

IRFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: OCT HOURS(LST): 0300-0500

M E	VISIBILITY IN HUNDREDS OF METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
.9	32.9	33.8	33.9	34.2	34.9	35.0	35.0	35.0	37.0	37.9	38.8
.4	34.5	35.4	35.5	35.8	36.4	36.6	36.6	36.6	38.9	39.8	40.8
.4	34.5	35.4	35.5	35.8	36.4	36.6	36.6	36.6	38.9	39.8	40.8
.4	34.5	35.4	35.5	35.8	36.4	36.6	36.6	36.6	38.9	39.8	40.8
.4	34.5	35.4	35.5	35.8	36.4	36.6	36.6	36.6	38.9	39.8	40.8
.5	35.5	36.4	36.6	36.8	37.5	37.6	37.7	37.9	40.4	41.3	42.2
.5	36.6	37.5	37.6	37.9	38.5	38.7	38.8	38.9	41.4	42.3	43.3
.2	37.2	38.1	38.3	38.5	39.2	39.3	39.4	39.6	42.1	43.0	43.9
.2	40.1	41.2	41.3	41.5	42.2	42.3	42.5	42.7	45.3	46.4	47.4
.9	40.8	41.8	41.9	42.2	42.9	43.0	43.1	43.4	46.0	47.1	48.1
.2	41.9	43.1	43.3	43.5	44.2	44.3	44.4	44.7	47.3	48.4	49.4
.0	46.7	48.0	48.1	48.4	49.0	49.1	49.3	49.5	52.2	53.2	54.3
.2	49.3	50.9	51.2	51.5	52.2	52.3	52.4	52.7	55.3	56.4	57.4
.4	53.5	55.0	55.4	55.7	56.4	56.5	56.6	56.9	59.5	60.6	61.6
.0	56.0	57.7	58.1	58.3	59.0	59.1	59.2	59.5	62.1	63.2	64.2
.4	60.4	62.1	62.5	62.8	63.4	63.6	63.7	64.0	66.6	67.6	68.7
.0	63.8	65.7	66.1	66.3	67.0	67.1	67.2	67.5	70.1	71.2	72.2
.7	69.6	71.4	71.8	72.1	72.7	72.9	73.0	73.3	75.9	76.9	78.0
.5	70.2	72.1	72.6	72.9	73.5	73.7	73.8	74.0	76.7	77.7	78.8
.4	72.7	74.7	75.5	75.8	76.4	76.5	76.7	76.9	79.6	80.6	81.7
.9	75.0	77.1	78.0	78.2	78.9	79.0	79.2	79.4	82.0	83.1	84.1
.5	77.1	79.4	80.3	80.6	81.5	81.7	81.8	82.0	84.8	85.8	87.0
.0	78.5	80.9	81.8	82.0	83.0	83.1	83.2	83.5	86.2	87.3	88.5
.2	80.7	83.1	84.0	84.3	85.2	85.3	85.5	85.7	88.5	89.5	90.7
.9	81.9	84.5	85.7	86.0	86.9	87.0	87.2	87.4	90.2	91.2	92.4
.5	82.6	85.2	86.4	86.6	87.5	87.7	87.8	88.1	90.8	91.9	93.1
.6	82.8	85.8	87.0	87.3	88.6	88.7	88.9	89.1	91.9	92.9	94.1
.8	83.5	86.6	88.1	88.3	89.8	89.9	90.0	90.3	93.1	94.1	95.3
.9	83.5	86.8	88.2	88.5	89.9	90.0	90.3	90.6	93.8	94.9	96.1
.2	83.5	86.8	88.5	88.7	90.2	90.3	90.6	90.8	94.4	95.8	98.2
.3	83.5	86.8	88.5	88.9	90.3	90.4	90.7	91.0	94.5	96.1	98.8
.3	83.5	86.8	88.5	88.9	90.3	90.4	90.7	91.0	94.9	96.6	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM HOURLY OI

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HU							
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
NO CEIL	1.0	21.9	22.7	24.0	25.1	25.4	25.6	26.7
GE 20000	1.6	24.3	25.3	27.0	28.4	29.0	29.5	30.6
GE 18000	1.6	24.4	25.4	27.1	28.5	29.1	29.6	30.7
GE 16000	1.6	24.4	25.4	27.1	28.5	29.1	29.6	30.7
GE 14000	1.6	24.6	25.6	27.3	28.6	29.2	29.7	30.8
GE 12000	1.8	25.3	26.3	28.0	29.4	30.0	30.7	31.8
GE 10000	1.8	27.3	28.3	30.1	31.6	32.2	32.9	34.0
GE 9000	1.8	27.9	28.9	30.7	32.2	32.8	33.7	34.9
GE 8000	1.8	32.3	33.3	35.3	36.7	37.3	38.3	39.6
GE 7000	1.8	33.3	34.3	36.2	37.7	38.3	39.4	40.7
GE 6000	1.8	33.8	34.8	36.9	38.3	38.9	40.0	41.3
GE 5000	2.2	35.7	37.1	39.8	41.4	42.0	43.1	44.5
GE 4500	2.3	37.7	39.2	42.4	44.1	44.7	45.8	47.2
GE 4000	2.6	39.7	41.2	44.7	46.8	47.5	48.8	50.1
GE 3500	2.9	41.9	43.5	47.1	49.1	50.0	51.2	52.7
GE 3000	3.2	44.6	46.3	50.5	52.9	53.8	55.2	57.0
GE 2500	3.8	47.3	49.0	53.3	55.9	56.9	58.2	60.3
GE 2000	4.4	51.6	53.4	58.2	61.4	62.8	64.1	67.2
GE 1800	4.5	52.1	53.9	58.7	61.9	63.3	64.6	67.7
GE 1500	4.5	54.5	56.5	62.0	65.4	66.7	68.1	71.1
GE 1200	4.9	56.3	58.2	64.6	68.1	69.4	71.3	74.6
GE 1000	4.9	57.6	59.7	66.2	69.7	71.1	73.0	76.3
GE 900	4.9	59.0	61.2	68.1	71.5	73.0	74.8	78.3
GE 800	4.9	59.8	62.3	69.3	73.1	74.7	76.8	80.6
GE 700	4.9	60.1	62.7	69.9	73.7	75.3	77.4	81.3
GE 600	4.9	60.8	63.4	70.6	74.4	76.8	79.0	83.0
GE 500	4.9	61.1	63.6	71.0	74.8	77.1	79.4	83.5
GE 400	4.9	61.1	63.6	71.1	74.9	77.3	79.5	84.0
GE 300	4.9	61.1	63.6	71.1	74.9	77.3	79.5	84.3
GE 200	4.9	61.1	63.6	71.1	74.9	77.3	79.5	84.6
GE 100	4.9	61.1	63.6	71.1	74.9	77.3	79.5	84.6
GE 0	4.9	61.1	63.6	71.1	74.9	77.3	79.5	84.6

TOTAL NUMBER OF OBSERVATIONS: 814

EI FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
IO FROM HOURLY OBSERVATIONS

AIRFORD UK PERIOD OF RECORD: 75-76,79-86
MONTH: OCT HOURS(LST): 0600-0800

OF G	VISIBILITY IN HUNDREDS OF METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
27	25.4	25.6	26.7	26.9	27.4	27.4	27.6	28.0	28.7	29.6	31.3
31	29.0	29.5	30.6	30.8	31.3	31.3	31.6	31.9	32.9	33.8	35.5
31	29.1	29.6	30.7	31.0	31.4	31.4	31.7	32.1	33.0	33.9	35.6
31	29.1	29.6	30.7	31.0	31.4	31.4	31.7	32.1	33.0	33.9	35.6
31	29.2	29.7	30.8	31.1	31.6	31.6	31.8	32.2	33.2	34.0	35.7
32	30.0	30.7	31.8	32.1	32.6	32.6	32.8	33.2	34.2	35.0	36.7
34	32.2	32.9	34.0	34.3	34.8	35.0	35.3	35.6	36.6	37.5	39.2
35	32.8	33.7	34.9	35.1	35.6	35.9	36.1	36.5	37.5	38.3	40.0
40	37.3	38.3	39.6	39.8	40.3	40.5	40.8	41.4	42.5	43.6	45.5
41	38.3	39.4	40.7	40.9	41.5	41.8	42.0	42.6	43.7	44.8	46.7
42	38.9	40.0	41.3	41.5	42.1	42.4	42.6	43.2	44.3	45.5	47.3
45	42.0	43.1	44.5	44.8	45.5	45.7	45.9	46.7	47.9	49.1	51.0
48	44.7	45.8	47.2	47.7	48.3	48.5	48.8	49.5	50.7	52.0	53.8
51	47.5	48.8	50.1	50.7	51.4	51.6	52.1	52.8	54.1	55.3	57.1
53	50.0	51.2	52.7	53.3	53.9	54.2	54.7	55.4	56.6	57.9	59.7
58	53.8	55.2	57.0	57.9	58.6	58.8	59.7	60.6	61.8	63.1	65.1
61	58.9	58.2	60.3	61.2	61.9	62.4	63.3	64.1	65.5	66.8	68.8
68	62.8	64.1	67.2	68.1	68.9	69.4	70.3	71.1	72.6	74.0	75.9
69	63.3	64.6	67.7	68.6	69.4	69.9	70.8	71.6	73.1	74.4	76.4
72	66.7	68.1	71.1	72.0	72.9	73.3	74.2	75.1	76.7	78.0	80.0
76	69.4	71.3	74.6	75.4	76.3	76.8	77.6	78.5	80.1	81.6	83.5
78	71.1	73.0	76.3	77.4	78.5	79.2	80.1	81.0	82.7	84.2	86.1
80	73.0	74.8	78.3	79.4	80.5	81.2	82.1	82.9	84.6	86.1	88.1
82	74.7	76.8	80.6	81.7	82.8	83.5	84.4	85.3	87.0	88.5	90.4
83	75.3	77.4	81.3	82.6	83.7	84.4	85.3	86.1	87.8	89.3	91.3
85	76.8	79.0	83.0	84.3	85.4	86.1	87.0	87.8	89.6	91.0	93.0
86	77.1	79.4	83.5	84.8	86.1	86.9	87.7	88.6	90.3	91.8	93.7
86	77.3	79.5	84.0	85.3	86.7	87.5	88.3	89.2	90.9	92.4	94.5
87	77.3	79.5	84.3	85.5	87.0	87.7	88.6	89.4	91.4	93.4	95.8
87	77.3	79.5	84.6	86.0	87.5	88.2	89.2	90.0	92.4	94.5	97.9
87	77.3	79.5	84.6	86.1	87.6	88.5	89.4	90.3	93.0	95.2	99.3
87	77.3	79.5	84.6	86.1	87.6	88.5	89.4	90.3	93.0	95.5	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDR								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
NO CEIL	1.1	22.6	23.9	26.4	27.4	27.8	27.9	28.3	28.
GE 20000	1.5	28.3	30.0	32.9	34.1	34.5	34.8	35.2	35.
GE 18000	1.5	28.5	30.2	33.1	34.3	34.7	35.1	35.4	35.
GE 16000	1.5	28.5	30.2	33.1	34.3	34.7	35.1	35.4	35.
GE 14000	1.7	28.9	30.6	33.5	34.7	35.1	35.4	35.8	35.
GE 12000	2.2	30.4	32.3	35.2	36.6	37.0	37.4	37.7	37.
GE 10000	2.3	33.7	35.7	38.8	40.4	40.7	41.1	41.5	41.
GE 9000	2.4	34.6	36.5	39.7	41.2	41.6	42.0	42.3	42.
GE 8000	2.4	37.6	39.7	43.2	44.7	45.1	45.5	45.8	45.
GE 7000	2.5	38.7	40.7	44.3	45.8	46.2	46.7	47.0	47.
GE 6000	2.8	39.3	41.4	45.2	47.0	47.5	48.0	48.4	48
GE 5000	3.1	41.7	43.8	48.0	50.2	50.7	51.1	51.6	51
GE 4500	3.1	43.9	45.9	50.7	53.1	53.6	54.1	54.5	54
GE 4000	3.5	45.7	47.9	53.0	55.7	56.2	56.7	57.2	57
GE 3500	3.6	46.9	49.3	54.9	57.7	58.2	58.6	59.1	59
GE 3000	4.1	50.9	53.9	60.2	63.5	64.0	64.4	65.2	65
GE 2500	4.7	53.3	56.3	62.8	66.1	66.7	67.2	68.3	68
GE 2000	5.0	55.7	58.9	66.0	69.9	70.5	71.0	72.2	72
GE 1800	5.4	56.8	60.0	67.4	71.2	71.8	72.3	73.5	73
GE 1500	6.0	60.6	64.0	72.1	76.3	76.9	77.4	79.0	79
GE 1200	6.2	62.8	66.4	74.8	79.2	79.8	80.5	82.3	82
GE 1000	6.3	64.0	67.8	76.9	81.7	82.3	83.4	85.5	85
GE 900	6.3	65.1	68.9	78.0	83.0	83.6	84.8	86.9	87
GE 800	6.3	65.4	69.4	78.6	83.6	84.2	85.4	87.7	87
GE 700	6.3	66.4	70.5	79.9	84.9	85.5	86.9	89.4	89
GE 600	6.3	66.6	70.7	80.3	85.6	86.2	87.7	90.1	90
GE 500	6.3	66.7	71.0	80.5	85.9	86.5	87.9	90.6	91
GE 400	6.3	66.7	71.0	80.8	86.1	86.7	88.1	91.2	91
GE 300	6.3	66.9	71.1	81.0	86.3	86.9	88.5	91.9	92
GE 200	6.3	66.9	71.1	81.0	86.5	87.1	88.6	92.0	92
GE 100	6.3	66.9	71.1	81.0	86.5	87.1	88.6	92.0	92
GE 0	6.3	66.9	71.1	81.0	86.5	87.1	88.6	92.0	92

TOTAL NUMBER OF OBSERVATIONS: 827

UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 75-76,79-86
MONTH: OCT HOURS(LST): 0900-1100

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
27.9	28.3	28.3	28.9	28.9	28.9	28.9	29.1	29.1	29.7
34.8	35.2	35.2	35.8	35.8	35.9	35.9	36.3	36.3	36.9
35.1	35.4	35.4	36.0	36.0	36.2	36.2	36.5	36.5	37.1
35.1	35.4	35.4	36.0	36.0	36.2	36.2	36.5	36.5	37.1
35.4	35.8	35.8	36.4	36.4	36.5	36.5	36.9	36.9	37.5
37.4	37.7	37.7	38.3	38.3	38.5	38.5	38.8	38.8	39.4
41.1	41.5	41.5	42.1	42.2	42.3	42.3	42.7	42.7	43.3
42.0	42.3	42.3	42.9	43.0	43.2	43.2	43.5	43.5	44.1
45.5	45.8	45.8	46.4	46.6	46.7	46.7	47.0	47.0	47.6
46.7	47.0	47.0	47.8	47.9	48.0	48.0	48.5	48.5	49.1
48.0	48.4	48.4	49.1	49.2	49.3	49.3	49.8	49.8	50.4
51.1	51.6	51.6	52.4	52.5	52.6	52.6	53.1	53.1	53.8
54.1	54.5	54.5	55.3	55.4	55.5	55.5	56.0	56.0	56.7
56.7	57.2	57.2	57.9	58.0	58.2	58.2	58.6	58.6	59.4
58.6	59.1	59.1	59.9	60.0	60.1	60.1	60.6	60.6	61.3
64.4	65.2	65.4	66.3	66.4	66.5	66.6	67.1	67.1	67.8
67.2	68.3	68.6	69.4	69.5	69.6	69.8	70.3	70.3	71.0
71.0	72.2	72.4	73.5	73.6	73.8	73.9	74.4	74.4	75.1
72.3	73.5	73.8	74.8	75.0	75.1	75.2	75.7	75.7	76.4
77.4	79.0	79.2	80.3	80.4	80.5	80.7	81.1	81.1	81.9
80.5	82.3	82.6	83.9	84.0	84.2	84.3	84.8	84.8	85.5
83.4	85.5	85.7	87.1	87.2	87.3	87.4	88.3	88.3	89.0
84.8	86.9	87.2	88.5	88.6	88.8	88.9	89.7	89.7	90.4
85.4	87.7	87.9	89.2	89.4	89.6	89.7	90.6	90.6	91.3
86.9	89.4	89.6	90.9	91.1	91.3	91.4	92.3	92.3	93.0
87.7	90.1	90.3	91.7	91.9	92.1	92.3	93.1	93.1	93.8
87.9	90.6	91.2	92.6	93.0	93.2	93.3	94.2	94.2	94.9
88.1	91.2	91.9	93.7	94.2	94.6	94.9	95.9	95.9	96.6
88.5	91.9	92.6	94.4	94.9	95.3	95.8	96.7	96.9	97.7
88.6	92.0	92.7	94.8	95.5	95.9	96.5	97.5	97.6	98.7
88.6	92.0	92.9	95.0	95.8	96.1	96.9	98.1	98.4	99.6
88.6	92.0	92.9	95.0	95.8	96.1	96.9	98.1	98.5	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUN							
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	
NO CEIL	2.1	25.9	26.5	28.2	28.4	28.5	28.5	28.9	2
GE 20000	3.3	32.6	33.3	35.0	35.1	35.2	35.3	35.7	3
GE 18000	3.3	32.8	33.4	35.1	35.2	35.3	35.5	35.8	3
GE 16000	3.3	32.8	33.4	35.1	35.2	35.3	35.5	35.8	3
GE 14000	3.3	33.1	33.7	35.5	35.6	35.7	35.8	36.2	3
GE 12000	3.7	34.5	35.2	37.0	37.2	37.3	37.4	37.8	3
GE 10000	3.8	38.3	39.0	41.1	41.2	41.3	41.4	41.8	4
GE 9000	3.8	38.9	39.6	41.9	42.1	42.2	42.3	42.7	4
GE 8000	4.0	44.1	45.1	47.7	47.8	47.9	48.0	48.4	4
GE 7000	4.2	45.6	46.6	49.4	49.5	49.6	49.8	50.1	5
GE 6000	4.2	46.2	47.2	50.1	50.2	50.4	50.5	50.9	5
GE 5000	5.0	50.2	51.2	54.5	54.6	54.8	55.0	55.5	5
GE 4500	5.0	52.9	54.0	57.3	57.5	57.6	57.8	58.3	5
GE 4000	5.1	57.8	59.0	62.8	63.0	63.1	63.4	63.9	6
GE 3500	5.5	59.7	60.9	64.7	64.8	64.9	65.4	65.9	6
GE 3000	5.7	66.9	68.3	73.0	73.1	73.2	73.7	74.3	7
GE 2500	6.2	68.9	70.4	75.1	75.2	75.3	75.9	76.7	7
GE 2000	7.1	73.2	75.1	80.0	80.3	80.4	81.7	82.4	8
GE 1800	7.9	74.6	76.5	81.9	82.5	82.6	83.9	84.6	8
GE 1500	8.3	77.0	79.5	86.1	87.0	87.5	88.9	89.7	8
GE 1200	8.9	80.4	83.4	90.6	91.6	92.1	93.6	94.6	9
GE 1000	9.0	81.3	84.2	91.7	92.8	93.3	95.0	96.5	9
GE 900	9.2	81.4	84.4	91.8	92.9	93.4	95.1	96.6	9
GE 800	9.2	81.9	85.0	92.5	93.6	94.1	96.0	97.4	9
GE 700	9.2	82.2	85.2	93.4	94.6	95.1	97.1	98.7	9
GE 600	9.2	82.2	85.2	93.4	94.6	95.1	97.1	98.8	9
GE 500	9.2	82.2	85.2	93.4	94.6	95.1	97.2	99.4	9
GE 400	9.2	82.2	85.2	93.4	94.7	95.2	97.3	99.5	9
GE 300	9.2	82.2	85.2	93.4	94.7	95.2	97.3	99.6	9
GE 200	9.2	82.2	85.2	93.4	94.7	95.2	97.3	99.6	9
GE 100	9.2	82.2	85.2	93.4	94.7	95.2	97.3	99.6	9
GE 0	9.2	82.2	85.2	93.4	94.7	95.2	97.3	99.6	9

TOTAL NUMBER OF OBSERVATIONS: 818

TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AF FAIRFORD UK

PERIOD OF RECORD: 75-76,79-86
MONTH: OCT HOURS(LST): 1200-1400

	VISIBILITY IN HUNDREDS OF METERS										
E	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
48											
F											
GE											
1.4	28.5	28.5	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
.1	35.2	35.3	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
8.2	35.3	35.5	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
.2	35.3	35.5	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
5.6	35.7	35.8	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
5.2	37.3	37.4	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
5.											
6.2	41.3	41.4	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
7.1	42.2	42.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
.8	47.9	48.0	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
1.5	49.6	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
2.2	50.4	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
8.											
0.6	54.8	55.0	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
0.5	57.6	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
0	63.1	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
5.8	64.9	65.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
3.1	73.2	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
3.											
5.2	75.3	75.9	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
1.3	80.4	81.7	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
5	82.6	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
.0	87.5	88.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
2.4	92.1	93.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
1.6											
.8	93.3	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
.6 9	93.4	95.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
6	94.1	96.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
.5 6	95.1	97.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
.6 6	95.1	97.1	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
.4											
.7 6	95.1	97.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
.8 7	95.2	97.3	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
7	95.2	97.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
.5 7	95.2	97.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
.6 7	95.2	97.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
.9											
.9 7	95.2	97.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
.9											
.9											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRE
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN H						
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
NO CEIL	3.3	28.9	30.0	31.8	32.0	32.0	32.0	32.0
GE 20000	5.7	36.5	37.8	39.8	40.3	40.3	40.4	40.4
GE 18000	5.7	36.6	38.0	39.9	40.4	40.4	40.5	40.5
GE 16000	5.7	36.9	38.2	40.1	40.6	40.6	40.7	40.7
GE 14000	5.7	37.4	38.7	40.6	41.1	41.1	41.2	41.2
GE 12000	5.9	38.3	40.0	42.0	42.4	42.4	42.6	42.6
GE 10000	6.0	42.2	43.9	45.8	46.3	46.3	46.4	46.4
GE 9000	6.0	44.0	45.7	47.9	48.4	48.4	48.5	48.5
GE 8000	6.0	49.9	51.8	53.9	54.4	54.4	54.5	54.5
GE 7000	6.0	51.8	53.6	55.7	56.2	56.2	56.3	56.3
GE 6000	6.3	53.1	54.9	57.2	57.7	57.7	57.8	57.8
GE 5000	6.8	58.4	60.3	63.1	63.6	63.7	63.8	64.1
GE 4500	7.1	60.0	61.9	64.7	65.2	65.3	65.4	65.7
GE 4000	7.5	64.3	66.5	69.4	69.9	70.0	70.4	70.6
GE 3500	7.7	67.1	69.3	72.2	72.7	72.8	73.2	73.4
GE 3000	8.1	72.9	75.6	79.1	79.8	79.9	80.5	80.8
GE 2500	8.6	74.0	76.9	80.7	81.4	81.5	82.1	82.3
GE 2000	8.8	76.5	79.6	84.3	85.1	85.4	86.0	86.5
GE 1300	8.8	77.4	80.4	85.1	86.0	86.2	86.8	87.3
GE 1500	8.9	80.4	83.6	88.6	89.7	90.4	91.1	91.7
GE 1200	9.3	82.8	86.3	91.5	92.7	93.5	94.3	95.0
GE 1000	9.3	83.3	86.9	92.3	94.3	95.0	95.9	97.0
GE 900	9.4	83.8	87.4	92.7	94.9	95.6	96.5	97.7
GE 800	9.4	84.6	88.3	93.8	96.0	96.7	97.6	98.8
GE 700	9.4	84.6	88.3	94.2	96.4	97.1	98.1	99.3
GE 600	9.4	84.6	88.3	94.2	96.4	97.2	98.2	99.4
GE 500	9.4	84.6	88.3	94.2	96.4	97.2	98.2	99.4
GE 400	9.4	84.8	88.4	94.3	96.5	97.3	98.3	99.5
GE 300	9.4	84.8	88.4	94.3	96.5	97.3	98.3	99.5
GE 200	9.4	84.8	88.4	94.3	96.5	97.3	98.3	99.5
GE 100	9.4	84.8	88.4	94.3	96.5	97.3	98.3	99.5
GE 0	9.4	84.8	88.4	94.3	96.5	97.3	98.3	99.5

TOTAL NUMBER OF OBSERVATIONS: 827

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,79-86
MONTH: OCT HOURS(LST): 1500-1700

	VISIBILITY IN HUNDREDS OF METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
7	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
3	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
0	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
8	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
9	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
5	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
4	86.0	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
2	86.8	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
4	91.1	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
5	94.3	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
0	95.9	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
6	96.5	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
7	97.6	98.8	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3
1	98.1	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
2	98.2	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
2	98.2	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
3	98.3	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
3	98.3	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
3	98.3	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
3	98.3	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
3	98.3	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUN							
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
NO CEIL	.3	37.3	38.0	39.5	40.0	40.2	40.8	40.8
GE 20000	.3	40.8	41.6	43.3	43.8	43.9	44.5	44.7
GE 18000	.3	40.8	41.6	43.3	43.8	43.9	44.5	44.7
GE 16000	.3	41.1	41.9	43.6	44.1	44.2	44.8	45.0
GE 14000	.3	41.3	42.0	43.8	44.2	44.4	45.0	45.2
GE 12000	.3	41.9	42.7	44.4	44.8	45.0	45.6	45.8
GE 10000	.3	47.0	47.8	49.5	50.0	50.2	50.8	50.9
GE 9000	.3	49.4	50.2	51.9	52.3	52.5	53.1	53.3
GE 8000	.3	56.1	56.9	58.6	59.1	59.2	59.8	60.0
GE 7000	.3	58.1	58.9	60.8	61.3	61.4	62.0	62.2
GE 6000	.3	58.3	59.1	60.9	61.4	61.6	62.2	62.3
GE 5000	.3	61.7	62.5	64.5	65.0	65.2	65.8	65.9
GE 4500	.3	63.8	64.5	66.6	67.0	67.2	67.8	68.0
GE 4000	.3	67.3	68.1	70.2	70.6	70.8	71.4	71.6
GE 3500	.3	69.2	70.0	72.2	72.7	72.8	73.4	73.6
GE 3000	.5	74.1	74.8	77.5	78.0	78.1	79.1	79.2
GE 2500	.5	75.8	76.6	79.2	79.7	80.2	81.1	81.3
GE 2000	.5	78.9	80.0	83.3	83.9	84.4	85.8	85.9
GE 1800	.5	79.4	80.5	83.8	84.4	84.8	86.3	86.4
GE 1500	.5	82.3	83.6	87.3	88.0	88.8	90.2	90.5
GE 1200	.5	85.3	86.6	90.9	92.2	93.0	94.4	94.7
GE 1000	.5	86.3	87.5	91.9	93.1	93.9	95.3	95.6
GE 900	.5	86.3	87.5	92.0	93.3	94.1	95.5	95.8
GE 800	.5	86.9	88.1	93.0	94.2	95.0	96.4	96.7
GE 700	.5	87.3	88.6	93.4	94.7	95.5	96.9	97.2
GE 600	.5	87.7	88.9	93.9	95.2	95.9	97.3	97.7
GE 500	.5	87.7	88.9	94.1	95.3	96.1	97.5	97.8
GE 400	.5	88.0	89.2	94.7	96.1	96.9	98.3	98.6
GE 300	.5	88.0	89.2	94.7	96.1	96.9	98.3	98.6
GE 200	.5	88.0	89.2	94.7	96.1	96.9	98.3	98.6
GE 100	.5	88.0	89.2	94.7	96.1	96.9	98.3	98.6
GE 0	.5	88.0	89.2	94.7	96.1	96.9	98.3	98.6

TOTAL NUMBER OF OBSERVATIONS: 640

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 75-76,7?-86
MONTH: OCT HOURS(LST): 1800-2000

C	VISIBILITY IN HUNDREDS OF METERS GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
2	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
9	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
9	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
4	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
0	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
2	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
5	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
2	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
4	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
6	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
2	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
2	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
8	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
8	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
2	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
8	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
8	90.2	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
0	94.4	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
9	95.3	95.6	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
1	95.5	95.8	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
0	96.4	96.7	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7
5	96.9	97.2	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3
9	97.3	97.7	98.1	98.8	98.8	98.8	98.8	98.9	98.9	98.9
1	97.5	97.8	98.3	99.1	99.1	99.1	99.1	99.2	99.2	99.2
9	98.3	98.6	99.1	99.8	99.8	99.8	99.8	100.0	100.0	100.0
9	98.3	98.6	99.1	99.8	99.8	99.8	99.8	100.0	100.0	100.0
9	98.3	98.6	99.1	99.8	99.8	99.8	99.8	100.0	100.0	100.0
9	98.3	98.6	99.1	99.8	99.8	99.8	99.8	100.0	100.0	100.0
9	98.3	98.6	99.1	99.8	99.8	99.8	99.8	100.0	100.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	1.3	38.4	38.6	41.0	42.6	42.7	43.2	43.5	43
GE 20000	1.3	41.9	42.1	44.5	46.1	46.2	46.9	47.2	47
GE 18000	1.3	41.9	42.1	44.5	46.1	46.2	46.9	47.2	47
GE 16000	1.3	41.9	42.1	44.5	46.1	46.2	46.9	47.2	47
GE 14000	1.4	42.1	42.2	44.6	46.2	46.4	47.0	47.4	47
GE 12000	1.8	42.6	42.7	45.1	46.7	46.9	47.5	47.8	47
GE 10000	1.8	45.1	45.3	47.7	49.6	49.8	50.4	50.7	50
GE 9000	1.8	46.1	46.2	48.6	50.6	50.7	51.4	51.7	51
GE 8000	1.8	52.2	52.3	54.7	56.6	56.8	57.4	57.8	57
GE 7000	1.8	54.4	54.6	57.0	58.9	59.0	59.7	60.0	60
GE 6000	1.8	54.7	54.9	57.3	59.2	59.4	60.0	60.3	60
GE 5000	1.8	57.4	57.8	60.3	62.2	62.4	63.0	63.4	63
GE 4500	1.9	58.9	59.2	61.9	63.8	64.0	64.6	65.0	65
GE 4000	1.9	62.9	63.5	66.2	68.2	68.3	69.0	69.3	69
GE 3500	2.1	65.3	66.1	69.1	71.0	71.4	72.0	72.3	72
GE 3000	2.1	69.0	69.9	73.1	75.4	75.8	76.5	76.8	76
GE 2500	2.1	70.6	71.5	74.9	77.4	78.1	78.9	79.4	79
GE 2000	2.2	74.4	75.4	79.2	82.2	83.0	84.0	84.5	84
GE 1800	2.2	74.4	75.4	79.2	82.2	83.0	84.0	84.5	84
GE 1500	2.6	75.5	76.5	80.5	83.5	84.3	85.3	85.8	85
GE 1200	2.6	78.1	79.0	83.8	87.0	87.8	89.1	89.6	89
GE 1000	2.7	80.2	81.3	86.2	89.4	90.2	91.5	92.0	92
GE 900	2.7	80.5	81.6	86.6	89.8	90.6	91.8	92.3	92
GE 800	2.7	81.3	82.4	87.4	90.6	91.4	92.6	93.1	93
GE 700	2.7	82.4	83.5	88.6	92.0	92.8	94.1	94.6	94
GE 600	2.7	83.4	84.5	89.9	93.3	94.6	95.8	96.3	96
GE 500	2.7	83.4	84.5	90.2	93.6	94.9	96.2	96.6	97
GE 400	2.7	83.7	85.0	90.7	94.1	95.4	96.6	97.1	97
GE 300	2.7	83.7	85.0	90.7	94.1	95.4	96.6	97.1	97
GE 200	2.7	83.7	85.0	90.7	94.1	95.4	96.6	97.1	97
GE 100	2.7	83.7	85.0	90.7	94.1	95.4	96.6	97.3	97
GE 0	2.7	83.7	85.0	90.7	94.1	95.4	96.6	97.3	97

TOTAL NUMBER OF OBSERVATIONS: 625

EIL
ION

EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: OCT HOURS(LST): 2100-2300

OF GE 1	VISIBILITY IN HUNDREDS OF METERS									
E	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
40	32	24	20	16	12	10	8	5	4	0
43.										
.7	43.2	43.5	43.5	43.8	43.8	44.0	44.0	44.5	44.5	45.0
47.										
47. .2	46.9	47.2	47.2	47.5	47.5	47.7	47.7	48.2	48.2	48.6
47. .2	46.9	47.2	47.2	47.5	47.5	47.7	47.7	48.2	48.2	48.6
47. .2	46.9	47.2	47.2	47.5	47.5	47.7	47.7	48.2	48.2	48.6
48. .4	47.0	47.4	47.4	47.7	47.7	47.8	47.8	48.3	48.3	48.8
.9	47.5	47.8	47.8	48.2	48.2	48.3	48.3	48.8	48.8	49.3
51.										
52. .8	50.4	50.7	50.7	51.0	51.0	51.2	51.2	51.7	51.7	52.2
58. .7	51.4	51.7	51.7	52.0	52.0	52.2	52.2	52.6	52.6	53.1
60. .8	57.4	57.8	57.8	58.1	58.1	58.2	58.2	58.7	58.7	59.2
60. .0	59.7	60.0	60.0	60.3	60.3	60.5	60.5	61.0	61.0	61.4
.4	60.0	60.3	60.3	60.6	60.6	60.8	60.8	61.3	61.3	61.8
63.										
65. .4	63.0	63.4	63.4	63.7	63.7	63.8	63.8	64.3	64.3	64.8
69. .0	64.6	65.0	65.0	65.3	65.3	65.4	65.4	65.9	65.9	66.4
72. .3	69.0	69.3	69.3	69.6	69.6	69.8	69.8	70.2	70.2	70.7
77. .4	72.0	72.3	72.3	72.6	72.6	72.8	72.8	73.3	73.3	73.8
.8	76.5	76.8	76.8	77.1	77.1	77.3	77.3	77.8	77.8	78.2
79.										
84. .1	78.9	79.4	79.4	79.7	79.7	79.8	79.8	80.3	80.3	80.8
84. .0	84.0	84.5	84.5	84.8	84.8	85.0	85.0	85.4	85.4	85.9
86. .0	84.0	84.5	84.5	84.8	84.8	85.0	85.0	85.4	85.4	85.9
89. .3	85.3	85.8	85.8	86.1	86.1	86.2	86.2	86.7	86.7	87.2
.8	89.1	89.6	89.6	89.9	89.9	90.1	90.1	90.6	90.6	91.0
92.										
93. .2	91.5	92.0	92.2	92.5	92.5	92.6	92.6	93.1	93.1	93.6
94. .6	91.8	92.3	92.5	93.3	93.3	93.4	93.4	93.9	93.9	94.4
95. .4	92.6	93.1	93.3	94.1	94.1	94.2	94.2	94.7	94.7	95.2
97. .8	94.1	94.6	94.9	95.7	95.7	95.8	95.8	96.3	96.3	96.8
.6	95.8	96.3	96.6	97.4	97.4	97.6	97.6	98.1	98.1	98.6
97.										
98. .9	96.2	96.6	97.0	97.8	97.8	97.9	97.9	98.4	98.4	98.9
98. .4	96.6	97.1	97.4	98.2	98.2	98.4	98.4	98.9	98.9	99.4
98. .4	96.6	97.1	97.4	98.2	98.4	98.6	98.6	99.0	99.0	99.7
98. .4	96.6	97.1	97.4	98.2	98.4	98.6	98.6	99.0	99.0	99.8
.4	96.6	97.3	97.6	98.4	98.6	98.7	98.7	99.2	99.2	100.0
98.4										
.4	96.6	97.3	97.6	98.4	98.6	98.7	98.7	99.2	99.2	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIO

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDREDS O								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	1.9	28.8	29.6	31.5	32.4	32.7	33.0	33.4	33.4
GE 20000	2.6	33.0	33.9	36.0	37.0	37.3	37.8	38.2	38.2
GE 18000	2.6	33.1	34.0	36.1	37.1	37.4	37.9	38.3	38.3
GE 16000	2.6	33.2	34.0	36.1	37.1	37.5	37.9	38.3	38.4
GE 14000	2.7	33.4	34.3	36.3	37.4	37.7	38.2	38.5	38.6
GE 12000	3.0	34.4	35.4	37.6	38.6	39.0	39.5	39.8	39.9
GE 10000	3.0	37.4	38.4	40.6	41.8	42.2	42.7	43.0	43.1
GE 9000	3.1	38.4	39.4	41.7	42.9	43.3	43.8	44.2	44.3
GE 8000	3.1	43.1	44.2	46.6	47.8	48.1	48.7	49.1	49.2
GE 7000	3.1	44.5	45.6	48.0	49.2	49.6	50.2	50.6	50.7
GE 6000	3.3	45.1	46.2	48.9	50.1	50.4	51.1	51.5	51.6
GE 5000	3.6	48.7	49.8	52.8	54.1	54.5	55.2	55.7	55.8
GE 4500	3.7	50.7	51.9	55.1	56.4	56.9	57.6	58.1	58.2
GE 4000	4.0	54.3	55.6	59.0	60.5	60.9	61.7	62.2	62.4
GE 3500	4.2	56.2	57.6	61.2	62.8	63.3	64.1	64.7	64.8
GE 3000	4.5	60.7	62.4	66.6	68.4	69.0	69.9	70.6	70.8
GE 2500	4.8	62.7	64.4	68.7	70.7	71.5	72.5	73.3	73.5
GE 2000	5.2	66.2	68.1	72.9	75.2	76.2	77.4	78.4	78.7
GE 1800	5.4	66.8	68.8	73.7	76.0	77.1	78.3	79.2	79.5
GE 1500	5.7	69.4	71.5	77.0	79.5	80.6	81.9	83.0	83.2
GE 1200	5.9	71.9	74.1	80.0	82.6	83.8	85.3	86.5	86.8
GE 1000	6.0	73.0	75.3	81.4	84.2	85.5	87.0	88.5	88.8
GE 900	6.0	73.7	76.1	82.2	85.2	86.4	88.0	89.5	89.8
GE 800	6.0	74.4	77.0	83.3	86.3	87.7	89.3	90.8	91.2
GE 700	6.0	75.0	77.6	84.2	87.3	88.6	90.4	92.0	92.4
GE 600	6.0	75.4	78.0	84.7	87.9	89.5	91.2	92.9	93.3
GE 500	6.0	75.5	78.1	84.9	88.1	89.7	91.5	93.3	93.7
GE 400	6.0	75.6	78.3	85.1	88.4	90.0	91.9	93.8	94.2
GE 300	6.0	75.6	78.3	85.2	88.5	90.1	92.0	94.0	94.3
GE 200	6.0	75.6	78.3	85.2	88.6	90.2	92.1	94.2	94.
GE 100	6.0	75.6	78.3	85.2	88.6	90.2	92.1	94.2	94.
GE 0	6.0	75.6	78.3	85.2	88.6	90.2	92.1	94.2	94.

TOTAL NUMBER OF OBSERVATIONS: 6061

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AF FAIRFORD UK

PERIOD OF RECORD: 75-76,79-86
MONTH: OCT HOURS(LST): ALL

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS										
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
.4	32.7	33.0	33.4	33.4	33.7	33.8	33.8	33.9	34.4	34.7	35.2
.0	37.3	37.8	38.2	38.2	38.5	38.6	38.6	38.7	39.4	39.7	40.2
.1	37.4	37.9	38.3	38.3	38.6	38.7	38.7	38.8	39.5	39.8	40.3
.1	37.5	37.9	38.3	38.4	38.7	38.7	38.8	38.9	39.6	39.8	40.4
.4	37.7	38.2	38.5	38.6	38.9	38.9	39.0	39.1	39.8	40.1	40.6
.6	39.0	39.5	39.8	39.9	40.2	40.3	40.3	40.4	41.2	41.4	42.0
.8	42.2	42.7	43.0	43.1	43.4	43.5	43.6	43.7	44.4	44.7	45.2
.9	43.3	43.8	44.2	44.3	44.6	44.7	44.7	44.8	45.6	45.8	46.4
.9	48.1	48.7	49.1	49.2	49.5	49.6	49.6	49.8	50.6	50.9	51.4
.2	49.6	50.2	50.6	50.7	51.0	51.1	51.2	51.3	52.1	52.4	53.0
.1	50.4	51.1	51.5	51.6	51.9	52.0	52.1	52.2	53.0	53.3	53.9
.1	54.5	55.2	55.7	55.8	56.1	56.2	56.3	56.4	57.3	57.6	58.2
.4	56.9	57.6	58.1	58.2	58.6	58.6	58.7	58.9	59.7	60.0	60.6
.3	60.9	61.7	62.2	62.4	62.7	62.8	62.9	63.1	63.9	64.2	64.8
.8	63.3	64.1	64.7	64.8	65.2	65.3	65.4	65.5	66.3	66.7	67.2
.4	69.0	69.9	70.6	70.8	71.2	71.2	71.4	71.6	72.4	72.7	73.3
.7	71.5	72.5	73.3	73.5	73.9	74.0	74.1	74.3	75.1	75.5	76.1
.2	76.2	77.4	78.4	78.7	79.1	79.2	79.4	79.5	80.4	80.7	81.3
.0	77.1	78.3	79.2	79.5	79.9	80.0	80.2	80.4	81.2	81.6	82.2
.5	80.6	81.9	83.0	83.2	83.7	83.8	84.0	84.1	85.0	85.3	85.9
.6	83.8	85.3	86.5	86.8	87.3	87.4	87.5	87.7	88.6	88.9	89.5
.2	85.5	87.0	88.5	88.8	89.4	89.5	89.7	89.9	90.8	91.2	91.8
.2	86.4	88.0	89.5	89.8	90.5	90.6	90.8	91.0	91.9	92.3	92.9
.3	87.7	89.3	90.8	91.2	91.8	92.0	92.2	92.4	93.3	93.7	94.3
.3	88.6	90.4	92.0	92.4	93.1	93.2	93.4	93.6	94.5	94.9	95.5
.9	89.5	91.2	92.9	93.3	94.0	94.2	94.3	94.5	95.5	95.8	96.5
.1	89.7	91.5	93.3	93.7	94.6	94.8	95.0	95.1	96.1	96.5	97.1
.4	90.0	91.9	93.8	94.2	95.1	95.4	95.6	95.8	96.7	97.1	97.8
.5	90.1	92.0	94.0	94.5	95.4	95.7	95.9	96.2	97.3	97.7	98.4
.6	90.2	92.1	94.2	94.7	95.6	96.0	96.2	96.5	97.6	98.1	99.3
.6	90.2	92.1	94.2	94.7	95.7	96.1	96.3	96.6	97.8	98.4	99.7
.6	90.2	92.1	94.2	94.7	95.7	96.1	96.3	96.6	97.9	98.5	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENC
FROM HOURLY OB

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUN								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	
NO CEIL	4.0	24.1	24.7	26.3	26.9	27.2	27.7	28.0	2
GE 20000	4.5	26.1	27.0	29.2	30.1	30.4	31.0	31.4	3
GE 18000	4.5	26.1	27.0	29.2	30.1	30.4	31.0	31.4	3
GE 16000	4.6	26.2	27.2	29.3	30.3	30.5	31.1	31.5	3
GE 14000	4.7	26.3	27.3	29.4	30.5	30.8	31.4	31.8	3
GE 12000	4.7	26.4	27.4	29.5	30.6	31.1	31.8	32.1	3
GE 10000	5.2	27.9	28.9	31.0	32.1	32.6	33.3	33.6	3
GE 9000	5.2	28.4	29.4	31.5	32.6	33.1	33.7	34.1	3
GE 8000	5.2	31.8	32.8	34.9	36.0	36.6	37.6	38.0	3
GE 7000	5.3	33.0	34.1	36.6	37.7	38.3	39.3	39.7	4
GE 6000	5.5	33.7	34.9	37.3	38.5	39.1	40.1	40.4	4
GE 5000	6.0	36.7	37.8	40.4	41.7	42.6	43.5	44.0	4
GE 4500	6.6	40.1	41.2	44.0	45.4	46.3	47.3	47.9	4
GE 4000	7.2	44.4	45.7	48.5	50.4	51.5	52.5	53.2	5
GE 3500	7.6	49.1	50.4	53.5	55.3	56.5	57.4	58.3	5
GE 3000	8.9	55.6	56.9	60.2	62.2	63.3	64.3	65.6	6
GE 2500	9.3	57.1	58.6	62.2	64.3	65.6	66.6	68.0	6
GE 2000	10.4	61.3	62.8	66.5	68.6	70.0	71.3	73.0	7
GE 1800	10.7	62.5	64.1	67.9	70.0	71.5	73.1	74.7	7
GE 1500	10.9	65.8	67.5	72.0	74.2	75.7	77.3	78.9	8
GE 1200	10.9	67.6	69.5	74.1	76.3	78.0	79.7	81.3	8
GE 1000	11.0	68.5	70.5	75.1	77.3	79.0	80.9	82.5	8
GE 900	11.0	69.2	71.5	76.1	78.3	80.0	81.9	83.7	8
GE 800	11.0	70.0	72.2	77.0	79.3	81.0	83.3	85.4	8
GE 700	11.0	70.6	72.8	77.9	80.1	81.9	84.2	86.4	8
GE 600	11.0	71.1	73.4	78.5	80.9	82.6	85.0	87.1	8
GE 500	11.0	71.2	73.8	79.2	82.0	83.7	86.2	88.3	8
GE 400	11.0	71.3	73.9	79.7	82.8	84.5	87.0	89.1	9
GE 300	11.0	71.3	73.9	79.8	83.0	84.7	87.2	89.3	9
GE 200	11.0	71.3	73.9	80.0	83.4	85.1	87.6	89.7	9
GE 100	11.0	71.3	73.9	80.0	83.5	85.2	87.7	90.1	9
GE 0	11.0	71.3	73.9	80.0	83.5	85.2	87.7	90.1	9

TOTAL NUMBER OF OBSERVATIONS: 806

ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 74-76,80-86
MONTH: NOV HOURS(LST): 0000-0200

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
27.7	28.0	28.5	29.2	29.4	29.5	29.8	30.0	30.5	32.8
31.0	31.4	31.9	32.5	32.8	32.9	33.1	33.4	33.9	36.1
31.0	31.4	31.9	32.5	32.8	32.9	33.1	33.4	33.9	36.1
31.1	31.5	32.0	32.6	32.9	33.0	33.3	33.5	34.0	36.2
31.4	31.8	32.3	32.9	33.1	33.3	33.5	33.7	34.2	36.5
31.8	32.1	32.6	33.3	33.5	33.6	33.9	34.1	34.6	36.8
33.3	33.6	34.1	34.7	35.0	35.1	35.4	35.6	36.1	38.3
33.7	34.1	34.6	35.2	35.5	35.6	35.9	36.1	36.6	38.8
37.6	38.0	38.6	39.2	39.5	39.6	39.8	40.2	40.7	42.9
39.3	39.7	40.3	40.9	41.2	41.3	41.6	41.9	42.4	44.7
40.1	40.4	41.1	41.7	41.9	42.1	42.3	42.7	43.2	45.4
43.5	44.0	44.9	45.5	45.8	45.9	46.2	46.5	47.0	49.3
47.3	47.9	48.9	49.6	49.9	50.0	50.2	50.6	51.1	53.3
52.5	53.2	54.2	55.0	55.2	55.3	55.6	56.1	56.6	58.8
57.4	58.3	59.3	60.2	60.4	60.5	60.8	61.3	61.8	64.0
64.3	65.6	66.7	67.6	67.9	68.0	68.2	68.7	69.2	71.5
66.6	68.0	69.1	70.0	70.2	70.3	70.6	71.1	71.6	73.8
71.3	73.0	74.1	75.1	75.3	75.4	75.7	76.2	76.7	78.9
73.1	74.7	75.8	76.8	77.0	77.2	77.4	77.9	78.4	80.6
77.3	78.9	80.0	81.4	81.6	81.8	82.0	82.5	83.0	85.2
79.7	81.3	82.4	83.7	84.0	84.1	84.4	84.9	85.4	87.6
80.9	82.5	83.6	85.0	85.2	85.4	85.6	86.1	86.6	88.8
81.9	83.7	85.0	86.5	86.7	86.8	87.1	87.6	88.1	90.3
83.3	85.4	86.6	88.2	88.5	88.6	88.8	89.3	89.8	92.1
84.2	86.4	87.6	89.2	89.5	89.6	89.8	90.3	90.8	93.1
85.0	87.1	88.3	90.1	90.4	90.6	90.8	91.3	91.8	94.0
86.2	88.3	89.6	91.7	92.1	92.2	92.4	92.9	93.4	95.7
87.0	89.1	90.3	92.6	92.9	93.1	93.3	93.9	94.4	96.7
87.2	89.3	90.6	92.8	93.2	93.3	93.8	94.5	95.0	97.3
87.6	89.7	90.9	93.3	93.7	93.8	94.3	95.0	95.5	98.1
87.7	90.1	91.4	93.8	94.3	94.4	94.9	95.9	96.5	99.1
87.7	90.1	91.4	93.8	94.3	94.4	95.0	96.2	96.8	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND							
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	3.3	25.8	26.0	26.9	28.0	28.2	28.2	29.3	30
GE 20000	4.0	27.9	28.1	29.0	30.1	30.3	30.7	31.9	32
GE 18000	4.0	27.9	28.1	29.0	30.1	30.3	30.7	31.9	32
GE 16000	4.0	27.9	28.1	29.0	30.1	30.3	30.7	31.9	32
GE 14000	4.2	28.0	28.2	29.1	30.2	30.4	30.8	32.0	32
GE 12000	4.4	28.2	28.5	29.3	30.4	30.7	31.0	32.3	33
GE 10000	4.9	29.8	30.1	30.9	32.0	32.3	32.9	34.1	35
GE 9000	4.8	30.1	30.3	31.2	32.3	32.5	33.1	34.4	35
GE 8000	5.0	34.7	35.0	36.0	37.1	37.3	37.9	39.1	40
GE 7000	5.3	35.1	35.3	36.3	37.5	37.8	38.4	39.6	40
GE 6000	5.6	36.4	36.7	37.7	38.9	39.1	39.8	41.0	41
GE 5000	6.5	40.5	41.1	42.6	44.0	44.4	45.4	46.9	47
GE 4500	6.7	43.8	44.4	45.9	47.7	48.1	49.1	50.8	51
GE 4000	7.0	46.3	47.1	48.6	50.8	51.5	52.5	54.2	55
GE 3500	7.5	49.9	50.8	52.5	54.7	55.5	56.4	58.2	59
GE 3000	8.5	56.6	57.7	59.4	61.8	62.6	63.6	65.3	66
GE 2500	8.7	57.9	59.0	60.7	63.3	64.2	65.2	66.9	67
GE 2000	9.2	63.1	64.5	66.5	69.2	70.2	71.2	72.9	73
GE 1800	9.3	63.9	65.4	67.5	70.2	71.2	72.1	73.9	74
GE 1500	9.3	66.9	68.6	70.9	73.7	74.8	75.8	77.7	78
GE 1200	9.3	69.7	71.5	74.2	77.1	78.4	79.4	81.2	82
GE 1000	9.3	70.3	72.1	75.1	78.3	79.6	80.6	82.5	83
GE 900	9.3	71.4	73.3	76.2	79.4	80.7	81.7	83.6	84
GE 800	9.6	71.8	73.9	76.8	80.0	81.5	82.8	84.9	86
GE 700	9.6	72.0	74.2	77.5	81.1	82.6	83.9	86.1	87
GE 600	9.6	72.0	74.2	78.0	81.7	83.2	84.5	86.9	88
GE 500	9.7	72.6	75.0	79.0	82.9	84.4	86.0	88.3	89
GE 400	9.8	72.8	75.2	79.4	83.6	85.3	87.0	89.4	90
GE 300	9.8	72.8	75.2	79.4	83.8	85.6	87.5	89.9	91
GE 200	9.8	72.8	75.2	79.4	83.8	85.6	87.5	90.2	91
GE 100	9.8	72.8	75.2	79.4	83.8	85.6	87.6	90.4	91
GE 0	9.8	72.8	75.2	79.4	83.8	85.6	87.6	90.4	91

TOTAL NUMBER OF OBSERVATIONS: 815

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 74-76,80-86
MONTH: NOV HOURS(LST): 0300-0500

CEILING IN HUNDREDS OF FEET	VISIBILITY IN HUNDREDS OF METERS									
	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
2	28.2	29.3	30.2	30.4	30.4	30.4	30.7	31.3	31.3	32.9
3	30.7	31.9	32.8	33.0	33.0	33.1	33.4	34.0	34.1	35.7
3	30.7	31.9	32.8	33.0	33.0	33.1	33.4	34.0	34.1	35.7
3	30.7	31.9	32.8	33.0	33.0	33.1	33.4	34.0	34.1	35.7
4	30.8	32.0	32.9	33.1	33.1	33.3	33.5	34.1	34.2	35.8
7	31.0	32.3	33.1	33.4	33.4	33.5	33.7	34.4	34.5	36.1
3	32.9	34.1	35.0	35.2	35.2	35.3	35.6	36.2	36.3	37.9
5	33.1	34.4	35.2	35.5	35.5	35.6	35.8	36.4	36.6	38.2
3	37.9	39.1	40.0	40.4	40.4	40.5	40.7	41.6	41.7	43.4
3	38.4	39.6	40.5	40.9	40.9	41.0	41.2	42.1	42.2	43.9
1	39.8	41.0	41.8	42.2	42.2	42.3	42.6	43.4	43.6	45.3
4	45.4	46.9	47.7	48.1	48.1	48.2	48.5	49.3	49.4	51.2
1	49.1	50.8	51.7	52.0	52.0	52.1	52.4	53.3	53.4	55.1
5	52.5	54.2	55.1	55.5	55.5	55.6	55.8	56.7	56.8	58.7
5	56.4	58.2	59.0	59.4	59.4	59.5	59.8	60.6	60.7	62.6
6	63.6	65.3	66.3	66.6	66.6	66.7	67.0	67.9	68.0	69.8
2	65.2	66.9	67.9	68.2	68.2	68.3	68.6	69.4	69.6	71.4
2	71.2	72.9	73.9	74.2	74.2	74.4	74.6	75.5	75.6	77.4
2	72.1	73.9	74.8	75.2	75.2	75.3	75.6	76.4	76.6	78.4
8	75.8	77.7	78.7	79.4	79.4	79.5	79.8	80.6	80.7	82.6
4	79.4	81.2	82.2	82.9	82.9	83.1	83.3	84.2	84.3	86.1
6	80.6	82.5	83.4	84.2	84.2	84.3	84.5	85.4	85.5	87.4
7	81.7	83.6	84.7	85.4	85.4	85.5	85.8	86.6	86.7	88.6
5	82.8	84.9	86.0	86.7	86.7	86.9	87.1	88.0	88.1	89.9
6	83.9	86.1	87.2	88.0	88.0	88.1	88.3	89.2	89.3	91.2
2	84.5	86.9	88.1	88.8	88.8	89.0	89.3	90.2	90.3	92.1
4	86.0	88.3	89.6	90.8	90.9	91.0	91.5	92.4	92.5	94.4
3	87.0	89.4	90.7	91.9	92.0	92.1	92.6	93.5	93.6	95.5
6	87.5	89.9	91.2	92.5	92.6	92.8	93.3	94.4	94.6	96.9
6	87.5	90.2	91.4	92.8	92.9	93.0	93.6	94.8	95.1	98.0
6	87.6	90.4	91.7	93.1	93.3	93.4	94.0	95.2	95.5	98.5
6	87.6	90.4	91.7	93.3	93.4	93.6	94.4	95.6	95.8	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2(
NO CEIL	4.0	21.1	21.7	22.9	23.1	23.6	23.8	24.5	25.
GE 20000	4.9	23.8	24.4	25.8	26.5	27.3	27.9	28.8	29.
GE 18000	4.9	24.1	24.6	26.1	26.8	27.6	28.2	29.0	29.
GE 16000	4.9	24.1	24.6	26.1	26.8	27.6	28.2	29.0	29.
GE 14000	4.9	24.3	24.9	26.3	27.1	27.9	28.5	29.3	29.
GE 12000	5.3	24.9	25.5	26.9	27.7	28.5	29.1	29.9	30.
GE 10000	5.5	27.1	27.8	29.5	30.3	31.2	31.8	32.6	33.
GE 9000	5.6	28.1	28.8	30.4	31.2	32.2	32.7	33.6	34.
GE 8000	5.6	31.6	32.3	34.0	34.9	35.8	36.4	37.2	37.
GE 7000	5.8	32.3	33.1	34.9	35.7	36.6	37.2	38.0	38.
GE 6000	5.8	32.7	33.7	35.4	36.4	37.4	38.0	38.8	39.
GE 5000	6.3	36.9	38.1	40.1	41.4	42.5	43.1	44.1	44.
GE 4500	6.7	40.3	41.7	44.0	45.4	46.5	47.1	48.1	48.
GE 4000	7.6	45.9	47.4	49.9	51.3	52.5	53.3	54.5	55.
GE 3500	7.6	48.2	49.8	52.5	54.0	55.2	56.0	57.2	57.
GE 3000	8.2	53.8	55.6	58.7	60.3	61.5	62.8	64.0	64.
GE 2500	8.8	56.2	58.1	61.2	62.8	64.0	65.3	66.4	67.
GE 2000	9.3	59.6	61.6	65.1	67.3	68.4	69.8	71.4	71.
GE 1800	9.5	60.6	62.7	66.2	68.4	69.6	71.0	72.5	73.
GE 1500	9.7	63.5	65.7	69.5	71.7	73.0	74.6	76.4	77.
GE 1200	9.7	66.4	68.7	72.8	75.0	76.3	78.1	79.8	80.
GE 1000	9.7	68.1	70.4	74.5	76.9	78.2	79.9	81.7	82.
GE 900	9.9	68.4	70.9	75.5	78.1	79.3	81.1	83.0	83.
GE 800	9.9	68.9	71.4	75.9	78.5	79.8	81.8	83.7	84
GE 700	9.9	69.2	71.8	76.5	79.2	80.5	82.5	84.4	85
GE 600	9.9	69.4	72.1	76.9	79.9	81.3	83.3	85.2	86
GE 500	9.9	69.7	72.5	77.7	81.1	82.6	84.6	86.6	87
GE 400	9.9	69.7	72.7	77.9	81.5	83.0	85.0	87.3	88
GE 300	9.9	69.7	72.7	77.9	81.6	83.3	85.4	87.8	89
GE 200	9.9	69.7	72.7	77.9	81.6	83.3	85.4	88.1	89
GE 100	9.9	69.7	72.7	77.9	81.6	83.3	85.4	88.1	89
GE 0	9.9	69.7	72.7	77.9	81.6	83.3	85.4	88.1	89

TOTAL NUMBER OF OBSERVATIONS: 852

NCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UK

PERIOD OF RECORD: 74-76,79-86
MONTH: NOV HOURS(LST): 0600-0800

ISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
23.8	24.5	25.1	25.5	25.5	25.6	25.7	26.2	26.6	27.7
27.9	28.8	29.3	29.7	29.7	29.8	29.9	30.4	31.2	32.3
28.2	29.0	29.6	29.9	29.9	30.0	30.2	30.6	31.5	32.5
28.2	29.0	29.6	29.9	29.9	30.0	30.2	30.6	31.5	32.5
28.5	29.3	29.9	30.3	30.3	30.4	30.5	31.0	31.8	32.9
29.1	29.9	30.5	30.9	30.9	31.0	31.1	31.6	32.4	33.5
31.8	32.6	33.2	33.6	33.6	33.7	33.8	34.3	35.1	36.2
32.7	33.6	34.2	34.5	34.5	34.6	34.7	35.2	36.0	37.1
36.4	37.2	37.8	38.3	38.3	38.4	38.5	39.0	39.8	40.8
37.2	38.0	38.6	39.1	39.1	39.2	39.3	39.8	40.6	41.7
38.0	38.8	39.4	40.0	40.0	40.1	40.3	40.7	41.5	42.6
43.1	44.1	44.7	45.3	45.3	45.4	45.5	46.0	46.8	47.9
47.1	48.1	48.7	49.3	49.3	49.4	49.5	50.0	50.8	51.9
53.3	54.5	55.0	55.6	55.6	55.8	55.9	56.3	57.2	58.2
56.0	57.2	57.7	58.3	58.5	58.6	58.7	59.2	60.0	61.0
62.8	64.0	64.6	65.1	65.4	65.5	65.6	66.1	66.9	68.0
65.3	66.4	67.0	67.6	67.8	68.0	68.1	68.5	69.4	70.4
69.8	71.4	71.9	72.5	72.8	72.9	73.0	73.5	74.3	75.4
71.0	72.5	73.1	73.7	73.9	74.1	74.2	74.6	75.5	76.5
74.6	76.4	77.0	78.1	78.3	78.4	78.5	79.0	79.8	81.0
78.1	79.8	80.5	81.6	81.8	81.9	82.0	82.5	83.3	84.5
79.9	81.7	82.4	83.6	83.8	83.9	84.0	84.6	85.4	86.6
81.1	83.0	83.7	84.9	85.2	85.3	85.4	86.0	86.9	88.0
81.8	83.7	84.4	85.6	85.9	86.0	86.2	86.7	87.6	88.7
82.5	84.4	85.1	86.4	86.7	86.9	87.0	87.6	88.4	89.6
83.3	85.2	86.2	87.6	87.9	88.0	88.1	88.7	89.6	90.7
84.6	86.6	87.6	89.1	89.6	89.8	89.9	90.5	91.3	92.5
85.0	87.3	88.3	90.3	90.7	91.0	91.1	91.7	92.5	93.7
85.4	87.8	89.1	91.1	91.7	92.0	92.4	93.0	93.9	95.8
85.4	88.1	89.6	91.5	92.5	92.8	93.2	94.4	95.5	98.0
85.4	88.1	89.6	91.7	92.6	93.0	93.4	94.6	96.0	99.3
85.4	88.1	89.6	91.7	92.6	93.0	93.4	94.7	96.2	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURR
FROM HOURLY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN							
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
NO CEIL	1.7	19.3	19.6	21.1	21.5	21.5	21.7	22.0
GE 20000	3.5	23.1	23.7	26.0	27.3	27.3	27.7	28.0
GE 18000	3.5	23.1	23.7	26.0	27.3	27.3	27.7	28.0
GE 16000	3.6	23.2	23.8	26.1	27.5	27.5	28.0	28.2
GE 14000	3.8	23.6	24.2	26.5	27.8	27.8	28.4	28.7
GE 12000	4.1	24.7	25.4	27.7	29.2	29.2	29.8	30.0
GE 10000	4.3	27.5	28.3	30.7	32.2	32.2	32.8	33.1
GE 9000	4.3	28.8	29.8	32.2	33.8	33.8	34.4	34.8
GE 8000	4.4	32.6	33.6	36.0	37.7	37.7	38.3	38.7
GE 7000	4.4	33.3	34.3	36.7	38.4	38.4	39.0	39.6
GE 6000	4.5	33.9	35.0	37.4	39.2	39.2	39.8	40.4
GE 5000	5.4	37.5	38.6	41.5	43.5	43.6	44.2	44.8
GE 4500	6.0	40.7	42.3	45.7	47.6	47.8	48.3	48.9
GE 4000	6.7	45.1	46.8	50.4	52.5	52.6	53.5	54.1
GE 3500	7.1	47.9	49.8	53.4	55.5	55.6	56.5	57.1
GE 3000	7.5	52.8	55.2	59.0	61.3	61.4	62.8	63.6
GE 2500	8.3	54.2	57.0	60.8	63.2	63.3	64.7	65.5
GE 2000	9.0	58.7	61.6	66.2	68.8	68.9	70.3	71.3
GE 1800	9.0	59.6	62.6	67.4	70.1	70.2	71.6	72.8
GE 1500	9.3	63.2	66.5	72.0	74.8	74.9	76.3	77.6
GE 1200	9.7	64.8	68.5	74.7	77.7	77.8	79.5	80.8
GE 1000	9.8	66.4	70.2	76.6	79.9	80.0	81.9	83.2
GE 900	9.8	66.9	70.7	77.2	80.6	80.9	82.9	84.5
GE 800	9.8	67.0	70.8	77.3	80.8	81.1	83.1	84.7
GE 700	9.8	67.1	70.9	77.7	81.5	81.8	83.9	85.7
GE 600	9.8	67.1	71.0	77.9	81.7	82.2	84.3	86.2
GE 500	9.9	67.3	71.6	78.7	82.6	83.1	85.5	87.7
GE 400	9.9	67.5	71.8	79.3	83.2	83.7	86.1	88.5
GE 300	9.9	67.5	71.8	79.3	83.2	83.8	86.3	88.8
GE 200	9.9	67.5	71.8	79.3	83.2	83.8	86.3	89.0
GE 100	9.9	67.5	71.8	79.3	83.3	83.9	86.4	89.1
GE 0	9.9	67.5	71.8	79.3	83.3	83.9	86.4	89.1

TOTAL NUMBER OF OBSERVATIONS: 869

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: NOV HOURS(LST): 0909-1100

VISIBILITY IN HUNDREDS OF METERS

GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
1.5	21.7	22.0	22.6	22.7	23.0	23.0	23.0	23.2	23.6	24.4
7.3	27.7	28.0	28.7	28.8	29.2	29.3	29.5	29.7	30.0	31.1
7.3	27.7	28.0	28.7	28.8	29.2	29.3	29.5	29.7	30.0	31.1
7.5	28.0	28.2	28.9	29.0	29.5	29.6	29.7	29.9	30.3	31.3
7.8	28.4	28.7	29.5	29.6	30.0	30.1	30.3	30.5	30.8	31.9
9.2	29.8	30.0	31.0	31.1	31.5	31.6	31	32.0	32.3	33.4
2.2	32.8	33.1	34.1	34.2	34.6	34.8	34.9	35.1	35.4	36.5
3.8	34.4	34.8	35.7	35.8	36.2	36.4	36.5	36.7	37.1	38.1
7.7	38.3	38.7	39.6	39.8	40.3	40.4	40.6	40.9	41.3	42.3
8.4	39.0	39.6	40.5	40.9	41.3	41.4	41.7	41.9	42.3	43.4
9.2	39.8	40.4	41.3	41.7	42.1	42.2	42.5	42.7	43.2	44.2
3.6	44.2	44.8	45.7	46.1	46.6	46.7	47.0	47.2	47.6	48.7
7.8	48.3	48.9	49.8	50.3	50.7	50.9	51.1	51.3	51.8	52.8
2.6	53.5	54.1	55.0	55.5	55.9	56.0	56.3	56.5	57.0	58.0
5.6	56.5	57.1	58.1	58.5	58.9	59.1	59.4	59.6	60.1	61.1
1.4	62.8	63.6	64.6	65.1	65.8	66.1	66.3	66.5	67.0	68.0
3.3	64.7	65.5	66.5	67.1	67.8	68.0	68.2	68.5	68.9	70.0
8.9	70.3	71.3	72.4	73.0	73.6	73.9	74.1	74.3	74.8	75.8
0.2	71.6	72.8	74.0	74.6	75.3	75.5	75.7	75.9	76.4	77.4
4.9	76.3	77.5	78.8	79.4	80.1	80.3	80.6	80.8	81.2	82.3
7.8	79.5	80.8	82.0	82.6	83.3	83.5	83.8	84.0	84.5	85.5
0.0	81.9	83.2	84.7	85.4	86.1	86.3	86.5	86.8	87.2	88.3
0.9	82.9	84.5	86.0	86.8	87.5	87.7	87.9	88.1	88.6	89.6
1.1	83.1	84.7	86.3	87.2	87.9	88.1	88.4	88.6	89.1	90.1
1.8	83.9	85.7	87.3	88.4	89.1	89.3	89.5	89.8	90.2	91.3
2.2	84.3	86.2	87.8	88.8	89.5	89.8	90.0	90.2	90.7	91.7
3.1	85.5	87.7	89.3	90.3	91.1	91.5	91.7	92.1	92.5	93.6
3.7	86.1	88.5	90.1	91.5	92.4	92.8	93.1	93.6	94.0	95.1
3.8	86.3	88.8	90.6	92.1	93.1	93.4	93.9	94.5	94.9	96.8
3.8	86.3	89.0	90.9	92.9	93.9	94.4	94.8	95.4	96.0	98.3
3.9	86.4	89.1	91.1	93.1	94.4	94.8	95.3	96.0	96.9	99.5
3.9	86.4	89.1	91.1	93.1	94.4	94.8	95.3	96.2	97.4	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSI

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDI								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE
NO CEIL	3.9	21.9	22.5	23.4	23.9	23.9	24.4	24.4	24.
GE 20000	6.2	28.2	29.0	30.5	30.9	30.9	31.4	31.4	31.
GE 18000	6.2	28.5	29.3	30.8	31.3	31.3	31.8	31.8	32.
GE 16000	6.2	28.5	29.3	30.8	31.3	31.3	31.8	31.8	32.
GE 14000	6.5	29.1	29.9	31.5	32.0	32.0	32.4	32.4	32.
GE 12000	6.9	31.5	32.3	33.9	34.4	34.4	35.0	35.0	35.
GE 10000	7.7	34.1	34.9	36.8	37.3	37.3	38.0	38.0	38.
GE 9000	7.9	34.8	35.7	37.9	38.5	38.5	39.1	39.1	39.
GE 8000	7.9	37.0	37.9	40.1	40.6	40.6	41.3	41.3	41.
GE 7000	8.0	38.9	40.0	42.4	43.0	43.0	43.6	43.6	44.
GE 6000	8.3	40.3	41.5	43.9	44.5	44.5	45.2	45.2	45.
GE 5000	8.9	43.5	44.8	47.6	48.3	48.3	49.1	49.1	49.
GE 4500	9.4	47.2	48.5	51.3	52.1	52.1	52.9	52.9	53.
GE 4000	9.9	50.9	52.2	55.0	55.9	55.9	56.8	56.8	57.
GE 3500	10.3	54.2	55.4	58.2	59.2	59.5	60.6	60.7	61.
GE 3000	10.9	60.5	62.0	65.4	66.5	66.7	68.1	68.2	68.
GE 2500	11.3	63.4	64.9	68.4	69.5	69.7	71.1	71.2	71.
GE 2000	11.7	67.7	69.7	74.2	75.6	76.1	77.5	77.6	77.
GE 1800	12.1	68.2	70.3	74.8	76.3	76.8	78.2	78.3	78.
GE 1500	12.4	71.1	73.3	78.2	80.3	80.7	82.4	82.6	83.
GE 1200	12.6	74.1	76.8	81.9	84.1	84.5	86.3	86.6	87.
GE 1000	12.7	74.9	77.7	83.1	85.5	86.0	87.8	88.1	88.
GE 900	12.8	75.5	78.3	83.7	86.1	86.7	88.7	89.0	89.
GE 800	12.9	76.2	79.0	84.5	87.5	88.1	90.1	90.4	91.
GE 700	12.9	76.3	79.1	84.6	87.8	88.3	90.3	90.6	91.
GE 600	12.9	76.7	79.7	85.3	88.6	89.4	91.5	91.9	92.
GE 500	12.9	76.7	79.7	85.6	88.9	90.0	92.1	93.4	94.
GE 400	12.9	76.7	79.7	85.8	89.1	90.3	92.7	94.3	94.
GE 300	12.9	76.8	79.8	86.3	89.8	91.0	93.4	95.2	95.
GE 200	12.9	76.8	79.8	86.3	89.8	91.0	93.4	95.7	96.
GE 100	12.9	76.8	79.8	86.3	89.8	91.0	93.4	95.7	96.
GE 0	12.9	76.8	79.8	86.3	89.8	91.0	93.4	95.7	96.

TOTAL NUMBER OF OBSERVATIONS: 866

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: NOV HOURS(LST): 1200-1400

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
24.4	24.4	24.7	24.8	24.8	24.8	25.1	25.1	25.1	25.3
31.4	31.4	31.8	32.0	32.0	32.0	32.2	32.2	32.2	32.4
31.8	31.8	32.1	32.3	32.3	32.3	32.6	32.6	32.6	32.8
31.8	31.8	32.1	32.3	32.3	32.3	32.6	32.6	32.6	32.8
32.4	32.4	32.8	33.0	33.0	33.0	33.3	33.3	33.3	33.5
35.0	35.0	35.3	35.6	35.6	35.6	35.8	35.8	35.8	36.0
38.0	38.0	38.3	38.6	38.6	38.6	38.8	38.8	38.8	39.0
39.1	39.1	39.5	39.7	39.7	39.7	40.0	40.0	40.0	40.2
41.3	41.3	41.7	41.9	41.9	41.9	42.1	42.1	42.1	42.4
43.6	43.6	44.0	44.2	44.2	44.2	44.5	44.5	44.5	44.7
45.2	45.2	45.5	45.7	45.7	45.7	46.0	46.0	46.0	46.2
49.1	49.1	49.4	49.7	49.7	49.7	49.9	49.9	49.9	50.1
52.9	52.9	53.2	53.5	53.5	53.5	53.7	53.7	53.7	53.9
56.8	56.8	57.2	57.4	57.4	57.4	57.6	57.6	57.6	57.9
60.6	60.7	61.1	61.3	61.3	61.3	61.5	61.5	61.5	61.8
68.1	68.2	68.6	69.3	69.3	69.3	69.5	69.5	69.5	69.7
71.1	71.2	71.6	72.3	72.3	72.3	72.5	72.5	72.5	72.7
77.5	77.6	77.9	78.6	78.6	78.6	78.9	78.9	79.0	79.2
78.2	78.3	78.8	79.4	79.4	79.4	79.7	79.7	79.8	80.0
82.4	82.6	83.1	83.8	83.8	83.9	84.2	84.2	84.3	84.5
86.3	86.6	87.2	87.9	87.9	88.0	88.2	88.2	88.3	88.6
87.8	88.1	88.7	89.4	89.4	89.5	89.7	89.7	89.8	90.1
88.7	89.0	89.6	90.3	90.3	90.4	90.6	90.6	90.8	91.0
90.1	90.4	91.0	91.9	91.9	92.0	92.4	92.4	92.5	92.7
90.3	90.6	91.2	92.1	92.1	92.3	92.6	92.6	92.7	93.0
91.5	91.9	92.5	93.4	93.4	93.5	93.9	93.9	94.0	94.2
92.1	93.4	94.0	94.9	94.9	95.0	95.4	95.5	95.6	95.8
92.7	94.3	94.9	95.8	95.8	96.0	96.3	96.4	96.7	96.9
93.4	95.2	95.7	96.7	96.7	96.8	97.1	97.2	97.7	98.3
93.4	95.7	96.3	97.5	97.5	97.6	97.9	98.2	98.7	99.7
93.4	95.7	96.3	97.5	97.5	97.6	98.0	98.3	99.0	100.0
93.4	95.7	96.3	97.5	97.5	97.6	98.0	98.3	99.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	3.8	23.7	24.1	25.0	25.4	25.4	25.9	25.9	26.0
GE 20000	6.9	31.6	32.0	33.1	33.7	33.7	34.2	34.2	34.4
GE 18000	7.0	32.0	32.3	33.4	34.0	34.0	34.6	34.6	34.7
GE 16000	7.0	32.0	32.3	33.4	34.0	34.0	34.6	34.6	34.7
GE 14000	7.0	32.2	32.6	33.8	34.4	34.4	34.9	34.9	35.1
GE 12000	7.7	33.3	33.8	34.9	35.5	35.5	36.1	36.1	36.2
GE 10000	8.4	36.1	36.7	37.9	38.8	38.8	39.4	39.4	39.5
GE 9000	8.7	36.8	37.3	38.6	39.5	39.5	40.1	40.1	40.2
GE 8000	8.8	39.3	40.0	41.4	42.3	42.3	42.8	42.8	43.0
GE 7000	8.8	40.3	41.0	42.5	43.4	43.4	44.0	44.0	44.
GE 6000	8.9	41.5	42.3	43.8	44.7	44.7	45.2	45.2	45.
GE 5000	10.0	46.7	47.7	49.8	50.7	50.7	51.4	51.4	51.
GE 4500	10.2	49.7	50.7	52.9	53.8	53.8	54.5	54.5	54.
GE 4000	11.0	54.1	55.1	57.5	58.4	58.4	59.1	59.1	59.
GE 3500	11.5	57.0	58.1	60.7	61.7	61.9	62.5	62.5	62.
GE 3000	12.0	62.7	63.7	67.4	68.8	69.2	69.9	69.9	70.
GE 2500	12.1	64.3	65.8	69.6	71.1	71.5	72.2	72.4	72.
GE 2000	12.3	68.5	70.2	75.0	76.7	77.1	78.5	78.7	78.
GE 1800	12.5	69.1	71.0	76.2	78.0	78.4	80.0	80.2	80.
GE 1500	12.6	71.7	74.0	79.6	81.9	82.2	83.8	84.1	84.
GE 1200	12.9	73.8	76.5	82.6	85.1	85.5	87.1	87.4	88.
GE 1000	13.1	75.7	78.6	85.2	88.0	88.3	89.9	90.3	91.
GE 900	13.1	76.2	79.0	85.9	88.7	89.0	90.6	91.3	92.
GE 800	13.1	76.5	79.7	86.6	89.3	89.9	91.9	92.6	93.
GE 700	13.2	77.0	80.5	87.5	90.3	90.8	92.8	93.7	94.
GE 600	13.3	77.1	80.6	87.6	90.4	91.0	92.9	93.8	94.
GE 500	13.3	77.1	80.8	87.7	90.7	91.3	93.2	94.2	95.
GE 400	13.3	77.1	80.8	87.7	91.1	91.8	94.0	95.0	95.
GE 300	13.3	77.1	80.9	87.9	91.2	91.9	94.2	95.2	96.
GE 200	13.3	77.1	80.9	87.9	91.2	91.9	94.2	95.3	96.
GE 100	13.3	77.1	80.9	87.9	91.2	91.9	94.2	95.3	96.
GE 0	13.3	77.1	80.9	87.9	91.2	91.9	94.2	95.3	96.

TOTAL NUMBER OF OBSERVATIONS: 873

REQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FORD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: NOV HOURS (LST): 1500-1700

CEILING IN HUNDREDS OF METERS	VISIBILITY IN HUNDREDS OF METERS: GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
GE 60	25.4	25.9	25.9	26.0	26.3	26.3	26.3	26.3	26.3	26.3	26.3
GE 30	33.7	34.2	34.2	34.4	34.7	34.8	34.8	34.8	34.8	34.8	34.8
GE 22	34.0	34.6	34.6	34.7	35.1	35.2	35.2	35.2	35.2	35.2	35.2
GE 20	34.0	34.6	34.6	34.7	35.1	35.2	35.2	35.2	35.2	35.2	35.2
GE 18	34.4	34.9	34.9	35.1	35.4	35.5	35.5	35.5	35.5	35.5	35.5
GE 15	35.5	36.1	36.1	36.2	36.5	36.7	36.7	36.7	36.7	36.7	36.7
GE 12	38.8	39.4	39.4	39.5	39.9	40.0	40.0	40.0	40.0	40.0	40.0
GE 10	39.5	40.1	40.1	40.2	40.5	40.7	40.7	40.7	40.7	40.7	40.7
GE 9	42.3	42.8	42.8	43.0	43.3	43.4	43.4	43.4	43.4	43.4	43.4
GE 8	44.4	44.0	44.0	44.1	44.4	44.6	44.6	44.6	44.6	44.6	44.6
GE 7	44.7	45.2	45.2	45.4	45.7	45.8	45.8	45.8	45.8	45.8	45.8
GE 6	50.7	51.4	51.4	51.5	51.9	52.0	52.0	52.0	52.0	52.0	52.0
GE 5	53.8	54.5	54.5	54.6	55.0	55.1	55.1	55.1	55.1	55.1	55.1
GE 4	58.4	59.1	59.1	59.2	59.6	59.7	59.7	59.7	59.7	59.7	59.7
GE 3	61.9	62.5	62.5	62.7	63.0	63.1	63.1	63.1	63.1	63.1	63.1
GE 2	69.2	69.9	69.9	70.1	70.4	70.6	70.6	70.6	70.6	70.6	70.6
GE 1	72.5	72.2	72.4	72.6	73.0	73.1	73.1	73.1	73.1	73.1	73.1
GE 0	78.1	78.5	78.7	78.9	79.4	79.5	79.5	79.5	79.5	79.5	79.5
M	80.4	80.0	80.2	80.5	81.1	81.2	81.2	81.2	81.2	81.2	81.2
	83.2	83.8	84.1	84.7	85.3	85.5	85.5	85.5	85.5	85.5	85.5
	86.5	87.1	87.4	88.0	88.7	88.8	88.8	88.8	88.8	88.8	88.8
	89.3	89.9	90.3	91.0	91.6	91.8	91.8	91.8	91.8	91.8	91.8
	90.0	90.6	91.3	92.0	92.8	92.9	92.9	92.9	92.9	92.9	92.9
	91.9	91.9	92.6	93.2	94.0	94.2	94.2	94.2	94.2	94.2	94.2
	92.8	92.8	93.7	94.5	95.3	95.4	95.4	95.4	95.4	95.4	95.4
	92.9	92.9	93.8	94.6	95.4	95.5	95.5	95.5	95.5	95.5	95.5
	93.3	93.2	94.2	95.0	95.8	95.9	96.0	96.0	96.3	96.3	96.3
	94.0	94.0	95.0	95.8	96.6	96.7	96.8	96.9	97.4	97.4	97.5
	94.2	94.2	95.2	96.0	96.8	96.9	97.0	97.1	97.6	97.6	98.4
	94.2	94.2	95.3	96.1	97.1	97.3	97.4	97.5	97.9	97.9	99.1
	94.2	94.2	95.3	96.1	97.1	97.3	97.4	97.6	98.2	98.4	100.0
	94.2	94.2	95.3	96.1	97.1	97.3	97.4	97.6	98.2	98.4	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE
NO CEIL	2.8	31.3	31.8	32.6	32.8	33.0	33.5	33.8	33
GE 20000	3.8	34.5	34.9	36.0	36.2	36.5	37.0	37.3	37
GE 18000	3.8	34.5	34.9	36.0	36.2	36.5	37.0	37.3	37
GE 16000	3.8	34.8	35.2	36.3	36.5	36.8	37.3	37.6	37
GE 14000	3.8	34.9	35.3	36.5	36.6	36.9	37.5	37.7	37
GE 12000	3.8	35.5	35.9	37.0	37.2	37.5	38.0	38.3	38
GE 10000	4.0	37.5	37.9	39.3	39.5	39.7	40.3	40.6	40
GE 9000	4.0	37.7	38.2	39.7	39.9	40.2	40.7	41.0	41
GE 8000	4.0	40.0	40.5	42.2	42.6	42.9	43.9	44.2	44
GE 7000	4.0	41.3	41.7	43.4	43.9	44.2	45.2	45.4	45
GE 6000	4.3	42.2	42.9	44.6	45.0	45.3	46.3	46.6	46
GE 5000	4.7	46.2	47.0	49.3	49.7	50.0	51.1	51.4	51
GE 4500	5.0	47.9	48.9	51.3	51.7	52.0	53.1	53.4	53
GE 4000	5.3	53.6	54.7	57.1	57.5	57.8	59.0	59.3	59
GE 3500	5.4	57.4	58.5	61.0	61.4	61.7	63.0	63.2	63
GE 3000	6.1	65.0	66.2	69.2	69.9	70.4	71.7	71.9	71
GE 2500	6.1	67.2	69.1	72.1	72.9	73.4	74.6	74.9	74
GE 2000	6.1	70.7	72.6	76.6	77.6	78.1	79.4	79.9	79
GE 1800	6.1	71.2	73.2	77.4	78.3	78.8	80.5	80.8	80
GE 1500	6.3	73.8	75.8	80.3	81.5	81.9	83.6	83.9	84
GE 1200	6.3	75.8	78.1	82.8	84.2	84.6	86.3	86.6	87
GE 1000	6.3	77.2	79.5	84.6	86.0	86.5	88.6	88.9	89
GE 900	6.4	78.5	81.1	86.5	87.9	88.3	90.5	90.7	91
GE 800	6.4	78.9	81.5	87.3	88.9	89.3	91.5	91.7	92
GE 700	6.4	79.3	81.9	88.3	89.9	90.3	92.5	93.3	93
GE 600	6.4	79.5	82.1	88.6	90.2	90.6	92.7	93.6	94
GE 500	6.4	79.6	82.3	88.9	90.5	90.9	93.0	93.9	94
GE 400	6.4	79.9	82.6	89.2	91.2	91.6	93.7	94.6	95
GE 300	6.4	79.9	82.6	89.2	91.2	91.6	93.7	94.7	95
GE 200	6.4	79.9	82.6	89.2	91.2	91.6	93.7	94.7	95
GE 100	6.4	79.9	82.6	89.2	91.2	91.6	93.7	94.7	95
GE 0	6.4	79.9	82.6	89.2	91.2	91.6	93.7	94.7	95

TOTAL NUMBER OF OBSERVATIONS: 702

ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

D UK

PERIOD OF RECORD: 74-76,79-86
MONTH: NOV HOURS(LST): 1800-2000

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
33.5	33.8	33.8	33.9	33.9	34.3	34.3	34.3	34.3	34.3
37.0	37.3	37.3	37.5	37.5	37.9	37.9	37.9	37.9	37.9
37.0	37.3	37.3	37.5	37.5	37.9	37.9	37.9	37.9	37.9
37.3	37.6	37.6	37.7	37.7	38.2	38.2	38.2	38.2	38.2
37.5	37.7	37.7	37.9	37.9	38.3	38.3	38.3	38.3	38.3
38.0	38.3	38.3	38.5	38.5	38.9	38.9	38.9	38.9	38.9
40.3	40.6	40.6	40.7	40.7	41.2	41.2	41.2	41.2	41.2
40.7	41.0	41.0	41.2	41.2	41.6	41.6	41.6	41.6	41.6
43.9	44.2	44.2	44.3	44.3	44.7	44.7	44.7	44.7	44.7
45.2	45.4	45.4	45.6	45.6	46.0	46.0	46.0	46.0	46.0
46.3	46.6	46.6	46.7	46.7	47.2	47.2	47.2	47.2	47.2
51.1	51.4	51.4	51.6	51.6	52.0	52.0	52.0	52.0	52.0
53.1	53.4	53.4	53.7	53.7	54.1	54.1	54.1	54.1	54.1
59.0	59.3	59.3	59.5	59.5	60.0	60.0	60.0	60.0	60.0
63.0	63.2	63.2	63.5	63.5	64.0	64.0	64.0	64.0	64.0
71.7	71.9	71.9	72.2	72.2	72.6	72.6	72.6	72.6	72.6
74.6	74.9	74.9	75.2	75.4	75.8	75.8	75.8	75.8	75.8
79.6	79.9	79.9	80.6	80.8	81.2	81.2	81.2	81.2	81.2
80.5	80.8	80.8	81.5	81.6	82.1	82.1	82.1	82.1	82.1
83.6	83.9	84.3	85.0	85.2	85.6	85.6	85.6	85.6	85.6
86.3	86.6	87.0	87.7	87.9	88.5	88.5	88.5	88.5	88.5
88.6	88.9	89.3	90.0	90.2	90.7	90.7	90.7	90.7	90.7
90.5	90.7	91.2	91.9	92.0	92.6	92.6	92.6	92.6	92.6
91.5	91.7	92.2	93.0	93.2	93.7	93.7	93.7	93.7	93.7
92.5	93.3	93.7	94.6	94.9	95.4	95.4	95.4	95.4	95.4
92.7	93.6	94.0	94.9	95.2	95.7	95.7	95.7	95.7	95.7
93.0	93.9	94.3	95.4	95.7	96.3	96.3	96.3	96.3	96.4
93.7	94.6	95.2	96.4	96.9	97.4	97.4	97.4	97.4	97.6
93.7	94.7	95.4	96.7	97.2	97.7	97.7	97.7	97.9	98.0
93.7	94.7	95.6	97.0	97.4	98.0	98.0	98.1	98.3	99.0
93.7	94.7	95.6	97.0	97.4	98.0	98.1	98.4	98.6	99.6
93.7	94.7	95.6	97.0	97.4	98.0	98.1	98.4	98.6	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	.3	28.7	29.4	30.7	31.4	31.4	31.4	31.4	32
GE 20000	.3	30.2	30.9	32.3	33.0	33.0	33.0	33.0	33
GE 18000	.3	30.2	30.9	32.3	33.0	33.0	33.0	33.0	33
GE 16000	.3	30.2	30.9	32.3	33.0	33.0	33.0	33.0	33
GE 14000	.3	30.2	30.9	32.3	33.0	33.0	33.0	33.0	33
GE 12000	.3	30.4	31.1	32.5	33.2	33.2	33.2	33.2	33
GE 10000	.3	32.5	33.3	34.7	35.4	35.4	35.6	35.6	36
GE 9000	.3	33.0	33.9	35.9	36.6	36.6	36.8	36.8	37
GE 8000	.3	35.6	36.4	38.5	39.2	39.2	39.4	39.4	39
GE 7000	.3	36.1	37.0	39.0	39.7	39.7	39.9	39.9	40
GE 6000	.3	36.8	37.7	39.7	40.4	40.4	40.6	40.6	41
GE 5000	.5	42.0	42.8	44.9	45.6	45.6	46.1	46.1	46
GE 4500	.5	44.2	45.3	48.0	48.7	48.7	49.4	49.4	50
GE 4000	.5	49.1	50.1	53.2	53.9	54.2	54.9	54.9	55
GE 3500	.5	53.9	54.9	58.0	59.1	59.4	60.1	60.1	60
GE 3000	.5	59.9	61.0	64.6	65.8	66.5	67.4	67.4	68
GE 2500	.5	63.0	64.1	67.7	69.3	70.1	71.0	71.0	71
GE 2000	.5	68.0	69.1	72.7	74.3	75.1	76.3	76.3	77
GE 1800	.5	68.9	69.9	73.6	75.1	76.0	77.2	77.2	77
GE 1500	.5	72.5	73.6	77.4	78.9	79.8	81.0	81.0	81
GE 1200	.5	76.0	77.0	81.0	82.6	83.4	84.8	85.0	85
GE 1000	.5	77.5	78.6	82.7	84.8	85.7	87.9	88.1	89
GE 900	.5	78.4	79.4	83.6	85.7	86.5	88.8	88.9	90
GE 800	.5	78.4	79.6	84.3	86.5	87.4	89.6	89.8	90
GE 700	.5	79.6	81.2	86.0	88.3	89.1	91.4	91.7	92
GE 600	.5	79.6	81.2	86.5	88.8	89.6	91.9	92.2	93
GE 500	.5	79.8	81.3	87.0	89.3	90.2	92.6	92.9	94
GE 400	.5	79.8	81.3	87.0	89.6	90.5	92.9	93.3	94
GE 300	.5	79.8	81.3	87.0	89.6	90.5	92.9	93.3	95
GE 200	.5	79.8	81.5	87.2	89.8	90.7	93.3	93.6	95
GE 100	.5	79.8	81.5	87.2	89.8	90.7	93.3	93.6	95
GE 0	.5	79.8	81.5	87.2	89.8	90.7	93.3	93.6	95

TOTAL NUMBER OF OBSERVATIONS: 579

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

IRFORD UK

PERIOD OF RECORD: 74,80-86
MONTH: NOV HOURS(LST): 2100-2300

	VISIBILITY IN HUNDREDS OF METERS									
	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
6	31.4	31.4	31.4	32.0	32.6	32.6	32.8	33.0	33.0	33.0	33.2
2	33.0	33.0	33.0	33.5	34.2	34.2	34.4	34.5	34.5	34.5	34.7
2	33.0	33.0	33.0	33.5	34.2	34.2	34.4	34.5	34.5	34.5	34.7
2	33.0	33.0	33.0	33.5	34.2	34.2	34.4	34.5	34.5	34.5	34.7
2	33.0	33.0	33.0	33.5	34.2	34.2	34.4	34.5	34.5	34.5	34.7
4	33.2	33.2	33.2	33.7	34.4	34.4	34.5	34.7	34.7	34.7	34.9
8	35.4	35.6	35.6	36.1	36.8	36.8	37.0	37.1	37.1	37.1	37.3
0	36.6	36.8	36.8	37.3	38.0	38.0	38.2	38.3	38.3	38.3	38.5
6	39.2	39.4	39.4	39.9	40.6	40.6	40.8	40.9	40.9	40.9	41.1
1	39.7	39.9	39.9	40.4	41.1	41.1	41.3	41.5	41.5	41.5	41.6
8	40.4	40.6	40.6	41.1	41.8	41.8	42.0	42.1	42.1	42.1	42.3
5	45.6	46.1	46.1	46.8	47.5	47.5	47.7	47.8	47.8	47.8	48.0
8	48.7	49.4	49.4	50.1	50.8	50.8	50.9	51.1	51.1	51.1	51.3
3	54.2	54.9	54.9	55.6	56.3	56.3	56.5	56.6	56.6	56.6	56.8
5	59.4	60.1	60.1	60.8	61.5	61.5	61.7	61.8	61.8	61.8	62.0
7	66.5	67.4	67.4	68.0	68.7	68.7	68.9	69.1	69.1	69.1	69.3
4	70.1	71.0	71.0	71.7	72.4	72.4	72.5	72.7	72.7	72.7	72.9
2	75.1	76.3	76.3	77.0	78.2	78.2	78.4	78.6	78.6	78.6	78.8
1	76.0	77.2	77.2	77.9	79.1	79.1	79.3	79.4	79.4	79.4	79.6
1	79.8	81.0	81.0	81.9	83.1	83.1	83.2	83.4	83.4	83.4	83.6
0	83.4	84.8	85.0	85.8	87.0	87.0	87.2	87.4	87.6	87.6	87.7
3	85.7	87.9	88.1	89.1	90.3	90.3	90.5	90.7	90.8	90.8	91.0
2	86.5	88.8	88.9	90.0	91.2	91.2	91.4	91.5	91.7	91.7	91.9
1	87.4	89.3	89.3	90.8	92.1	92.1	92.2	92.4	92.6	92.6	92.7
1	89.1	91.4	91.7	92.9	94.1	94.1	94.3	94.5	94.6	94.6	94.8
6	89.6	91.9	92.2	93.4	94.6	94.6	94.8	95.0	95.2	95.2	95.3
9	90.2	92.6	92.9	94.1	95.9	95.9	96.0	96.2	96.4	96.4	96.5
2	90.5	92.9	93.3	94.5	96.2	96.2	96.4	96.5	96.7	96.7	96.9
7	90.5	92.9	93.3	95.0	96.7	96.7	97.1	97.2	97.6	97.6	97.9
1	90.7	93.3	93.6	95.3	97.1	97.4	97.8	97.9	98.4	98.8	99.5
1	90.7	93.3	93.6	95.3	97.1	97.4	97.8	97.9	99.0	99.3	100.0
1	90.7	93.3	93.6	95.3	97.1	97.4	97.8	97.9	99.0	99.3	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	3.1	24.1	24.6	25.7	26.2	26.4	26.7	27.1	27.5
GE 20000	4.5	27.9	28.5	30.0	30.8	31.0	31.5	31.8	32.3
GE 18000	4.5	28.1	28.7	30.1	30.9	31.1	31.6	32.0	32.4
GE 16000	4.5	28.1	28.7	30.2	31.0	31.2	31.7	32.0	32.5
GE 14000	4.6	28.4	29.0	30.5	31.3	31.5	32.0	32.3	32.8
GE 12000	4.9	29.2	29.8	31.3	32.2	32.4	32.9	33.3	33.8
GE 10000	5.3	31.4	32.1	33.7	34.6	34.9	35.4	35.8	36.3
GE 9000	5.3	32.1	32.8	34.6	35.5	35.7	36.3	36.7	37.2
GE 8000	5.4	35.2	36.0	37.8	38.7	39.0	39.7	40.1	40.6
GE 7000	5.5	36.2	37.0	38.9	39.9	40.1	40.8	41.2	41.7
GE 6000	5.7	37.1	38.0	39.9	40.9	41.2	41.9	42.3	42.8
GE 5000	6.3	41.2	42.2	44.5	45.6	45.9	46.7	47.2	47.8
GE 4500	6.7	44.2	45.3	47.9	49.1	49.4	50.2	50.8	51.3
GE 4000	7.2	48.6	49.8	52.5	53.8	54.3	55.2	55.8	56.3
GE 3500	7.5	52.1	53.3	56.1	57.5	58.0	59.0	59.6	60.2
GE 3000	8.2	58.2	59.6	62.8	64.5	65.1	66.2	66.9	67.5
GE 2500	8.5	60.2	61.9	65.1	66.9	67.5	68.6	69.4	70.0
GE 2000	9.0	64.4	66.3	70.2	72.1	72.8	74.2	75.0	75.8
GE 1800	9.1	65.3	67.2	71.2	73.2	73.9	75.3	76.2	76.9
GE 1500	9.3	68.3	70.4	74.8	77.0	77.8	79.3	80.2	81.0
GE 1200	9.4	70.7	73.1	77.8	80.1	80.9	82.5	83.5	84.3
GE 1000	9.5	72.0	74.5	79.5	81.9	82.8	84.5	85.5	86.4
GE 900	9.5	72.7	75.3	80.4	82.9	83.8	85.6	86.7	87.4
GE 800	9.6	73.2	75.8	81.0	83.7	84.6	86.6	87.8	88.7
GE 700	9.6	73.6	76.3	81.8	84.6	85.5	87.5	88.8	89.8
GE 600	9.6	73.7	76.5	82.2	85.1	86.0	88.1	89.5	90.5
GE 500	9.7	73.9	76.9	82.7	85.8	86.8	89.0	90.5	91.5
GE 400	9.7	74.0	77.0	83.0	86.3	87.4	89.6	91.3	92.3
GE 300	9.7	74.0	77.0	83.1	86.5	87.6	89.9	91.7	92.7
GE 200	9.7	74.0	77.0	83.1	86.6	87.7	90.0	92.0	93.0
GE 100	9.7	74.0	77.0	83.1	86.6	87.7	90.1	92.0	93.0
GE 0	9.7	74.0	77.0	83.1	86.6	87.7	90.1	92.0	93.0

TOTAL NUMBER OF OBSERVATIONS: 6362

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UENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

...RD UK
ME
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16
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PERIOD OF RECORD: 74-76,79-86
MONTH: NOV HOURS(LST): ALL

VISIBILITY IN HUNDREDS OF METERS

	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
.8										
.6	26.7	27.1	27.5	27.8	27.9	28.0	28.1	28.3	28.5	29.3
.7										
.8	31.5	31.8	32.3	32.6	32.7	32.9	33.0	33.2	33.4	34.3
.1	31.6	32.0	32.4	32.7	32.9	33.0	33.1	33.3	33.6	34.4
.1	31.7	32.0	32.5	32.8	32.9	33.1	33.2	33.4	33.6	34.5
	32.0	32.3	32.8	33.1	33.3	33.4	33.5	33.7	34.0	34.8
.6	32.9	33.3	33.8	34.1	34.2	34.3	34.5	34.7	34.9	35.7
.5										
.9	35.4	35.8	36.3	36.6	36.7	36.9	37.0	37.2	37.5	38.3
.1	36.3	36.7	37.2	37.5	37.6	37.7	37.9	38.1	38.3	39.1
.2	39.7	40.1	40.6	40.9	41.0	41.2	41.3	41.6	41.8	42.7
	40.8	41.2	41.7	42.1	42.2	42.4	42.5	42.8	43.0	43.9
.2	41.9	42.3	42.8	43.2	43.3	43.4	43.6	43.8	44.1	44.9
.8										
.8	46.7	47.2	47.8	48.2	48.3	48.4	48.6	48.8	49.1	49.9
.6	50.2	50.8	51.3	51.8	51.9	52.0	52.2	52.4	52.7	53.5
.0	55.2	55.8	56.3	56.8	56.9	57.0	57.2	57.4	57.7	58.5
	59.0	59.6	60.2	60.6	60.8	60.9	61.0	61.3	61.6	62.4
1.6	66.2	66.9	67.5	68.0	68.2	68.4	68.5	68.8	69.0	69.9
.3										
.6	68.6	69.4	70.0	70.6	70.7	70.9	71.0	71.3	71.6	72.4
.8	74.2	75.0	75.6	76.3	76.5	76.6	76.8	77.1	77.3	78.2
.2	75.3	76.2	76.9	77.6	77.7	77.9	78.0	78.3	78.6	79.4
	79.3	80.2	81.0	81.8	82.0	82.2	82.3	82.6	82.9	83.7
.3	82.5	83.5	84.3	85.2	85.4	85.5	85.7	86.0	86.2	87.1
.6										
.7	84.5	85.5	86.4	87.3	87.5	87.7	87.8	88.1	88.4	89.2
.8	85.6	86.7	87.6	88.6	88.8	89.0	89.1	89.4	89.7	90.5
1.5	86.6	87.8	88.7	89.7	89.9	90.1	90.3	90.6	90.8	91.7
	87.5	88.8	89.8	90.8	91.1	91.2	91.4	91.7	92.0	92.8
2.8	88.1	89.5	90.5	91.5	91.8	92.0	92.1	92.4	92.7	93.6
3.8										
4.3	89.0	90.5	91.5	92.8	93.1	93.3	93.5	93.9	94.2	95.1
4.8	89.6	91.3	92.3	93.8	94.1	94.3	94.5	95.0	95.3	96.1
4.9	89.9	91.7	92.8	94.3	94.6	94.9	95.2	95.7	96.1	97.4
	90.0	92.0	93.2	94.8	95.2	95.5	95.8	96.4	96.9	98.7
5.0	90.1	92.0	93.3	94.9	95.4	95.7	96.1	96.8	97.4	99.5
...										
	90.1	92.0	93.3	95.0	95.4	95.7	96.1	97.0	97.6	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUNDR GE 32	GE 24	GE 2
NO CEIL	3.2	30.7	30.7	32.2	32.6	32.9	33.1	33.1	33.
GE 20000	3.4	32.6	32.6	34.3	34.8	35.2	35.4	35.4	35.
GE 18000	3.4	32.6	32.6	34.3	34.8	35.2	35.4	35.4	35.
GE 16000	3.4	32.6	32.6	34.3		35.2	35.4	35.4	35.
GE 14000	3.4	32.6	32.6	34.3		35.2	35.4	35.4	35.
GE 12000	3.4	32.6	32.6	34.3		35.2	35.4	35.4	35.
GE 10000	3.4	33.8	33.8	35.6	36.1	36.5	36.7	36.7	36.
GE 9000	3.4	34.0	34.0	35.8	36.4	36.7	37.0	37.0	37.
GE 8000	3.5	35.8	35.8	37.6	38.2	38.6	38.8	38.9	38.
GE 7000	3.8	36.4	36.4	38.2	38.7	39.1	39.3	39.5	39.
GE 6000	3.9	36.5	36.5	38.3	38.8	39.2	39.5	39.6	39.
GE 5000	5.0	41.3	41.3	43.1	43.6	44.0	44.2	44.4	44.
GE 4500	5.0	42.9	42.9	44.8	45.3	45.8	46.1	46.2	46.
GE 4000	5.4	45.0	45.3	47.1	47.6	48.3	48.5	48.6	48.
GE 3500	5.8	46.8	47.1	49.0	49.5	50.2	50.5	50.7	51.
GE 3000	6.3	51.7	52.4	54.5	55.5	56.4	56.9	57.3	58.
GE 2500	6.7	55.5	56.1	58.6	59.8	60.7	61.2	62.0	62.
GE 2000	7.2	60.0	60.9	63.8	65.1	66.0	66.5	67.4	68.
GE 1800	7.5	60.7	61.7	64.6	66.0	66.9	67.4	68.4	69.
GE 1500	7.6	63.6	64.8	67.7	69.1	70.1	70.6	71.7	72.
GE 1200	8.5	67.3	68.6	71.8	73.4	74.4	74.9	75.9	76.
GE 1000	8.7	69.5	70.9	74.1	75.8	76.8	77.4	78.5	79.
GE 900	8.7	70.2	71.7	74.9	76.6	77.6	78.1	79.3	80.
GE 800	8.7	70.6	72.2	75.9	77.7	78.8	79.3	80.6	81.
GE 700	8.7	72.3	74.1	77.9	79.7	80.7	81.2	82.5	83.
GE 600	8.8	73.2	75.3	79.3	81.5	82.5	83.1	84.3	85.
GE 500	8.8	73.6	75.8	80.3	82.9	84.0	84.9	86.2	87.
GE 400	8.8	73.7	75.9	80.6	83.3	84.3	85.5	87.1	88.
GE 300	8.8	73.9	76.1	81.0	83.8	84.9	86.4	88.0	89.
GE 200	8.8	73.9	76.1	81.0	83.8	84.9	86.4	88.0	89.
GE 100	8.8	73.9	76.1	81.0	83.8	84.9	86.5	88.1	89.
GE 0	8.8	73.9	76.1	81.0	83.8	84.9	86.5	88.1	89.

TOTAL NUMBER OF OBSERVATIONS: 773

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EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 74-76,80-86
MONTH: DEC HOURS(LST): 0000-0200

F ME GE 16	VISIBILITY IN HUNDREDS OF METERS GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
33.5	2.9	33.1	33.1	33.1	33.5	33.8	34.0	34.0	34.3	34.3	35.8
36.1	5.2	35.4	35.4	35.4	36.1	36.4	36.6	36.6	36.9	36.9	38.4
36.1	5.2	35.4	35.4	35.4	36.1	36.4	36.6	36.6	36.9	36.9	38.4
36.1	5.2	35.4	35.4	35.4	36.1	36.4	36.6	36.6	36.9	36.9	38.4
36.1	5.2	35.4	35.4	35.4	36.1	36.4	36.6	36.6	36.9	36.9	38.4
36.1	5.2	35.4	35.4	35.4	36.1	36.4	36.6	36.6	36.9	36.9	38.4
37.4	6.5	36.7	36.7	36.7	37.4	37.6	37.9	37.9	38.2	38.2	39.7
37.6	6.7	37.0	37.0	37.0	37.6	37.9	38.2	38.2	38.4	38.4	40.0
39.6	8.6	38.8	38.9	38.9	39.6	40.0	40.2	40.2	40.5	40.5	42.0
40.1	9.1	39.3	39.5	39.5	40.1	40.5	40.8	40.8	41.0	41.0	42.6
40.2	9.2	39.5	39.6	39.6	40.2	40.6	40.9	40.9	41.1	41.1	42.7
45.1	4.0	44.2	44.4	44.4	45.1	45.5	45.8	45.8	46.1	46.1	47.6
47.1	5.8	46.1	46.2	46.2	47.1	47.6	47.9	47.9	48.1	48.1	49.7
49.5	6.3	48.5	48.6	48.6	49.5	50.1	50.3	50.3	50.6	50.6	52.1
52.0	8.2	50.5	50.7	51.1	52.0	52.5	52.8	52.8	53.0	53.0	54.9
59.1	8.4	56.9	57.3	58.0	59.1	59.6	59.9	59.9	60.2	60.2	62.0
63.8	0.7	61.2	62.0	62.6	63.8	64.3	64.6	64.6	64.8	64.8	66.6
69.2	6.0	66.5	67.4	68.0	69.2	69.7	70.0	70.0	70.2	70.2	72.1
70.2	6.9	67.4	68.4	69.1	70.2	70.8	71.0	71.0	71.3	71.3	73.1
73.7	8.1	70.6	71.7	72.3	73.7	74.3	74.5	74.5	74.8	74.8	76.6
78.3	4.4	74.9	75.9	76.7	78.3	78.8	79.0	79.0	79.3	79.3	81.1
81.0	6.8	77.4	78.5	79.3	81.0	81.5	81.8	81.8	82.0	82.0	83.8
81.8	7.6	78.1	79.3	80.1	81.8	82.3	82.5	82.5	82.8	82.8	84.6
83.1	8.8	79.3	80.6	81.4	83.1	83.6	83.8	83.8	84.1	84.1	85.9
85.0	0.7	81.2	82.5	83.3	85.0	85.5	85.9	85.9	86.2	86.2	88.0
86.8	2.5	83.1	84.3	85.1	86.8	87.3	87.7	87.7	88.0	88.0	89.8
89.0	4.0	84.9	86.2	87.3	89.0	89.5	89.9	89.9	90.2	90.2	92.0
90.4	4.3	85.5	87.1	88.4	90.4	90.9	91.3	91.3	91.6	91.6	93.4
91.8	4.9	86.4	88.0	89.7	91.8	92.5	92.9	92.9	93.3	93.3	95.2
91.8	4.9	86.4	88.0	89.7	91.8	92.8	93.3	93.3	94.0	94.2	97.3
92.2	4.9	86.5	88.1	89.9	92.2	93.4	93.9	93.9	94.7	95.0	98.7
92.2	4.9	86.5	88.1	89.9	92.2	93.4	93.9	94.0	94.8	95.5	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURREN
FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HU: GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
NO CEIL	2.7	24.2	24.7	25.8	26.8	27.1	27.3	27.3
GE 20000	2.9	26.4	27.1	28.2	29.4	29.6	29.9	29.9
GE 18000	3.2	26.7	27.3	28.5	29.6	29.9	30.1	30.1
GE 16000	3.2	26.7	27.3	28.5	29.6	29.9	30.1	30.1
GE 14000	3.2	26.8	27.4	28.6	29.7	30.0	30.3	30.3
GE 12000	3.2	27.2	27.8	29.0	30.1	30.4	30.6	30.6
GE 10000	3.2	28.3	29.0	30.1	31.3	31.5	31.8	31.8
GE 9000	3.2	28.8	29.5	30.6	31.8	32.1	32.3	32.3
GE 8000	3.2	31.2	31.9	33.2	34.4	34.6	34.9	34.9
GE 7000	3.2	31.7	32.4	33.7	34.9	35.1	35.4	35.4
GE 6000	3.2	31.8	32.6	33.8	35.0	35.3	35.5	35.6
GE 5000	3.8	35.9	36.7	38.1	39.2	39.5	39.7	40.0
GE 4500	4.1	37.9	38.7	40.1	41.3	41.5	41.8	42.1
GE 4000	4.4	40.5	41.3	42.8	44.1	44.4	44.6	44.9
GE 3500	4.6	42.7	43.8	45.6	47.1	47.3	47.6	47.9
GE 3000	5.8	50.1	51.4	53.5	54.9	55.1	55.4	56.3
GE 2500	6.0	52.8	54.2	56.8	58.3	58.6	58.8	59.9
GE 2000	6.3	57.6	59.2	61.9	63.6	64.0	64.5	65.5
GE 1800	6.3	59.0	60.8	63.6	65.4	65.8	66.3	67.3
GE 1500	6.3	61.9	63.7	66.9	68.7	69.1	69.6	70.6
GE 1200	7.3	65.8	67.6	70.8	72.6	72.9	73.5	74.7
GE 1000	7.8	68.8	70.8	74.0	75.9	76.3	76.8	78.2
GE 900	7.8	69.4	71.4	74.6	76.7	77.1	77.6	79.0
GE 800	8.1	70.3	72.4	75.8	77.9	78.3	79.0	80.4
GE 700	8.2	71.4	73.6	77.1	79.2	79.6	80.3	81.7
GE 600	8.2	71.8	74.1	77.7	79.9	80.3	80.9	82.4
GE 500	8.3	72.7	75.0	78.8	81.2	81.8	82.9	84.9
GE 400	8.3	72.7	75.0	79.1	81.8	82.4	83.7	85.9
GE 300	8.3	72.7	75.0	79.6	82.3	82.9	84.6	87.2
GE 200	8.3	72.7	75.0	79.6	82.7	83.3	85.1	87.9
GE 100	8.3	72.7	75.0	79.6	82.7	83.3	85.1	87.9
GE 0	8.3	72.7	75.0	79.6	82.7	83.3	85.1	87.9

TOTAL NUMBER OF OBSERVATIONS: 780

EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FORD LK

PERIOD OF RECORD: 74-76,80-86
MONTH: DEC HOURS(LST): 0300-0500

VISIBILITY IN HUNDREDS OF METERS										
E	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
40	32	24	20	16	12	10	8	5	4	0
.1	27.3	27.3	27.4	28.1	28.1	28.1	28.3	28.6	29.0	29.6
.6	29.9	29.9	30.0	30.6	30.6	30.6	30.9	31.2	31.5	32.2
.9	30.1	30.1	30.3	30.9	30.9	30.9	31.2	31.4	31.8	32.4
.9	30.1	30.1	30.3	30.9	30.9	30.9	31.2	31.4	31.8	32.4
.0	30.3	30.3	30.4	31.0	31.0	31.0	31.3	31.5	31.9	32.6
.4	30.6	30.6	30.9	31.5	31.5	31.5	31.8	32.1	32.4	33.1
.5	31.8	31.8	32.1	32.7	32.7	32.7	32.9	33.2	33.6	34.2
.1	32.3	32.3	32.6	33.2	33.2	33.2	33.5	33.7	34.1	34.7
.6	34.9	34.9	35.1	35.8	35.8	35.8	36.0	36.3	36.7	37.3
.1	35.4	35.4	35.6	36.3	36.3	36.3	36.5	36.8	37.2	37.8
.3	35.5	35.6	35.9	36.5	36.5	36.5	36.8	37.1	37.4	38.1
.5	39.7	40.0	40.3	40.9	40.9	40.9	41.2	41.4	41.8	42.4
.5	41.8	42.1	42.3	42.9	42.9	42.9	43.2	43.5	43.8	44.5
.4	44.6	44.9	45.1	45.9	45.9	45.9	46.2	46.4	46.8	47.4
.3	47.6	47.9	48.2	49.1	49.1	49.1	49.4	49.6	50.0	50.6
.1	55.4	56.3	56.5	57.7	57.8	57.8	58.1	58.3	59.0	59.6
.6	58.8	59.9	60.1	61.3	61.4	61.4	61.7	61.9	62.6	63.2
.0	64.5	65.5	65.8	66.9	67.1	67.1	67.3	67.6	68.2	68.8
.8	66.3	67.3	67.6	68.7	68.8	68.8	69.1	69.4	70.0	70.6
.1	69.6	70.6	70.9	72.1	72.2	72.2	72.4	72.7	73.3	74.0
.9	73.5	74.7	75.0	76.2	76.3	76.3	76.5	76.8	77.4	78.1
.3	76.8	78.2	78.5	79.6	79.7	79.7	80.0	80.3	80.9	81.5
.1	77.6	79.0	79.2	80.4	80.5	80.5	80.8	81.0	81.7	82.3
.3	79.0	80.4	80.6	81.8	81.9	81.9	82.2	82.4	83.1	83.7
.6	80.3	81.7	81.9	83.1	83.3	83.3	83.6	83.8	84.5	85.1
.3	80.9	82.4	82.7	83.8	84.1	84.1	84.4	84.6	85.3	85.9
.8	82.9	84.9	85.3	86.5	86.8	86.8	87.1	87.4	88.1	88.7
.4	83.7	85.9	86.3	87.9	88.2	88.2	88.5	88.8	89.5	90.1
.9	84.6	87.2	87.6	89.5	89.9	89.9	90.1	90.9	91.8	92.4
.3	85.1	87.9	88.5	90.6	91.7	91.8	92.1	93.2	94.4	96.4
.3	85.1	87.9	88.6	91.2	92.6	92.7	92.9	94.4	95.8	98.2
.3	85.1	87.9	88.6	91.2	92.6	92.7	93.2	94.6	96.0	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVA

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDREDS								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	2.7	22.9	23.4	24.8	25.1	25.4	25.5	25.9	26.0
GE 20000	3.2	25.4	25.9	27.2	27.8	28.0	28.2	28.5	28.7
GE 18000	3.2	25.4	25.9	27.2	27.8	28.0	28.2	28.5	28.7
GE 16000	3.2	25.4	25.9	27.2	27.8	28.0	28.2	28.5	28.7
GE 14000	3.2	25.6	26.1	27.4	28.0	28.3	28.4	28.8	28.9
GE 12000	3.2	26.0	26.5	27.9	28.5	28.8	28.9	29.3	29.4
GE 10000	3.2	27.4	27.9	29.5	30.1	30.4	30.5	30.9	31.0
GE 9000	3.2	27.4	27.9	29.5	30.1	30.4	30.5	30.9	31.0
GE 8000	3.2	29.0	29.5	31.1	31.7	32.0	32.1	32.4	32.6
GE 7000	3.2	29.5	30.1	32.0	32.6	32.8	32.9	33.3	33.4
GE 6000	3.3	30.0	30.6	32.4	33.0	33.3	33.4	33.8	34.1
GE 5000	3.8	35.6	36.3	38.2	38.8	39.0	39.3	39.6	40.0
GE 4500	4.3	38.9	39.9	41.8	42.4	42.7	42.9	43.3	43.7
GE 4000	4.4	42.3	43.5	45.5	46.2	46.5	46.8	47.3	47.7
GE 3500	4.9	45.1	46.3	48.3	49.0	49.3	49.9	50.4	50.7
GE 3000	5.5	49.5	50.9	53.0	53.9	54.1	55.0	55.6	56.0
GE 2500	5.7	51.8	53.2	55.6	56.7	57.2	58.0	58.7	59.0
GE 2000	6.3	56.2	58.0	61.0	62.3	62.9	63.8	64.6	65.0
GE 1800	6.3	57.0	59.1	62.1	63.4	64.0	64.9	65.9	66.2
GE 1500	6.6	60.7	63.0	66.1	67.7	68.3	69.1	70.1	70.5
GE 1200	7.7	63.3	65.7	68.9	70.5	71.1	72.2	73.2	73.5
GE 1000	8.5	66.2	68.8	72.3	74.0	74.8	75.9	77.0	77.3
GE 900	8.5	67.2	69.8	73.5	75.2	76.0	77.1	78.3	78.7
GE 800	8.5	68.8	71.5	75.5	77.2	78.0	79.3	80.5	80.9
GE 700	8.8	70.5	73.3	77.4	79.3	80.1	81.3	82.7	83.0
GE 600	8.8	70.9	73.9	78.5	80.6	81.6	82.8	84.1	84.5
GE 500	8.8	71.3	74.6	79.6	82.0	83.0	84.6	86.0	86.3
GE 400	8.8	71.7	75.0	80.2	82.9	84.4	86.2	87.7	88.2
GE 300	8.8	71.7	75.0	80.2	82.9	84.5	86.5	88.4	89.0
GE 200	8.8	71.7	75.0	80.2	82.9	84.8	86.7	88.9	89.6
GE 100	8.8	71.7	75.0	80.2	82.9	84.8	86.7	88.9	89.6
GE 0	8.8	71.7	75.0	80.2	82.9	84.8	86.7	88.9	89.6

TOTAL NUMBER OF OBSERVATIONS: 820

CY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

UK

PERIOD OF RECORD: 74-76,79-86
MONTH: DEC HOURS(LST): 0600-0800

ISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
25.5	25.9	26.0	26.3	26.3	26.6	26.7	27.1	27.4	28.7
28.2	28.5	28.7	29.0	29.0	29.3	29.4	29.8	30.1	31.3
28.2	28.5	28.7	29.0	29.0	29.3	29.4	29.8	30.1	31.3
28.2	28.5	28.7	29.0	29.0	29.3	29.4	29.8	30.1	31.3
28.4	28.8	28.9	29.3	29.3	29.5	29.6	30.0	30.4	31.6
28.9	29.3	29.4	29.8	29.8	30.0	30.1	30.5	30.9	32.1
30.5	30.9	31.0	31.3	31.3	31.6	31.7	32.1	32.4	33.7
30.5	30.9	31.0	31.3	31.3	31.6	31.7	32.1	32.4	33.7
32.1	32.4	32.6	33.0	33.0	33.3	33.4	33.8	34.1	35.4
32.9	33.3	33.4	33.9	33.9	34.1	34.3	34.6	35.0	36.2
33.4	33.8	34.1	34.6	34.6	34.9	35.0	35.4	35.7	37.0
39.3	39.6	40.0	40.5	40.5	40.7	40.9	41.2	41.6	42.8
42.9	43.3	43.7	44.1	44.1	44.4	44.5	44.9	45.2	46.5
46.8	47.3	47.7	48.2	48.2	48.4	48.5	48.9	49.3	50.6
49.9	50.4	50.7	51.3	51.3	51.6	51.7	52.1	52.4	53.8
55.0	55.6	56.0	56.8	57.0	57.3	57.4	57.9	58.3	59.6
58.0	58.7	59.0	59.9	60.0	60.4	60.5	61.0	61.3	62.7
63.8	64.6	0	65.9	66.0	66.3	66.5	67.0	67.3	68.7
64.9	65.9	!	67.1	67.2	67.6	67.7	68.2	68.5	69.9
69.1	70.1	)	71.3	71.5	71.8	72.0	72.4	72.8	74.1
72.2	73.2	7[illegible].5	74.6	74.8	75.1	75.2	75.7	76.1	77.4
75.9	77.0	77.3	78.4	78.5	78.9	79.0	79.5	79.9	81.2
77.1	78.3	78.7	79.9	80.0	80.4	80.5	81.0	81.3	82.7
79.3	80.5	80.9	82.1	82.2	82.6	82.7	83.2	83.5	84.9
81.3	82.7	83.0	84.3	84.4	84.8	84.9	85.4	85.7	87.1
82.8	84.1	84.5	85.7	85.9	86.2	86.3	87.0	87.3	88.7
84.6	86.0	86.3	87.6	87.7	88.0	88.2	88.8	89.1	90.5
86.2	87.7	88.2	89.5	89.6	90.0	90.1	90.7	91.1	92.4
86.5	88.4	89.0	90.9	91.1	91.6	91.7	92.4	92.9	94.5
86.7	88.9	89.6	92.1	92.3	93.0	93.3	94.3	95.5	97.9
86.7	88.9	89.6	92.2	92.8	93.5	93.8	95.5	96.7	99.1
86.7	88.9	89.6	92.2	92.8	93.5	93.9	95.9	97.3	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUND								
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE
NO CEIL	2.0	19.7	20.3	21.6	22.2	22.3	22.6	23.6	23.
GE 20000	3.7	24.2	24.9	26.5	27.4	27.9	28.2	29.2	29.
GE 18000	3.8	24.6	25.4	26.9	28.0	28.5	28.8	29.8	29.
GE 16000	3.8	24.6	25.4	26.9	28.0	28.5	28.8	29.8	29.
GE 14000	3.9	25.0	25.9	27.4	28.5	29.0	29.3	30.3	30.
GE 12000	4.2	25.9	26.7	28.2	29.3	29.8	30.2	31.1	31.
GE 10000	4.4	29.2	30.0	31.8	33.0	33.5	33.8	34.8	35.
GE 9000	4.4	30.3	31.1	33.0	34.2	34.7	35.2	36.1	36.
GE 8000	4.4	33.0	33.8	35.8	37.1	37.5	38.1	39.1	39.
GE 7000	4.4	33.8	34.7	36.7	38.1	38.6	39.2	40.2	40.
GE 6000	4.6	35.0	35.9	37.9	39.3	39.8	40.4	41.4	41.
GE 5000	4.6	37.8	38.6	41.0	42.7	43.1	43.7	44.9	45.
GE 4500	5.1	40.4	41.4	43.9	45.5	46.1	46.8	48.3	48.
GE 4000	6.1	44.5	45.4	48.5	50.2	50.8	51.5	52.9	53.
GE 3500	6.1	46.0	47.0	50.1	51.8	52.4	53.8	55.2	55.
GE 3000	6.7	49.3	50.3	53.6	55.8	56.5	57.8	59.4	60.
GE 2500	6.9	51.0	52.0	55.7	58.2	59.0	60.4	62.1	62.
GE 2000	7.7	54.0	54.9	59.1	61.6	62.5	64.0	65.7	66.
GE 1800	8.0	54.9	55.9	60.3	62.8	63.6	65.2	66.9	67.
GE 1500	8.2	57.8	59.1	64.2	67.1	67.9	69.6	71.3	72.
GE 1200	8.7	60.9	62.6	68.2	71.2	72.0	73.8	75.8	76.
GE 1000	9.1	64.2	65.9	72.1	75.3	76.2	77.9	80.0	81.
GE 900	9.3	64.8	66.6	73.2	76.5	77.4	79.1	81.2	82.
GE 800	9.3	65.4	67.3	73.9	77.5	78.3	80.3	82.5	83.
GE 700	9.4	66.7	68.7	75.8	79.4	80.2	82.2	84.4	85.
GE 600	9.5	67.0	69.0	76.3	79.9	80.7	83.1	85.7	87.
GE 500	9.5	67.2	69.2	77.2	81.0	81.9	84.3	87.1	88.
GE 400	9.5	67.5	69.5	77.6	81.8	83.0	85.3	88.6	90.
GE 300	9.5	67.5	69.5	77.9	82.2	83.6	85.9	89.5	91.
GE 200	9.5	67.5	69.5	77.9	82.2	83.6	85.9	89.5	91.
GE 100	9.5	67.5	69.5	77.9	82.2	83.6	85.9	89.5	91.
GE 0	9.5	67.5	69.5	77.9	82.2	83.6	85.9	89.5	91.

TOTAL NUMBER OF OBSERVATIONS: 839

QUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ORD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: DEC HOURS(LST): 0900-1100

	VISIBILITY IN HUNDREDS OF METERS									
C	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
3	22.6	23.6	23.6	24.0	24.1	24.3	24.7	24.8	25.0	26.0
9	28.2	29.2	29.3	29.7	29.8	30.0	30.4	30.5	30.8	31.8
5	28.8	29.8	29.9	30.3	30.4	30.6	31.0	31.2	31.3	32.4
5	28.8	29.8	29.9	30.3	30.4	30.6	31.0	31.1	31.3	32.4
0	29.3	30.3	30.4	30.8	30.9	31.1	31.5	31.6	31.8	32.9
8	30.2	31.1	31.2	31.6	31.7	31.9	32.3	32.4	32.7	33.7
5	33.8	34.8	35.0	35.4	35.5	35.8	36.1	36.4	36.6	37.7
7	35.2	36.1	36.4	36.8	36.9	37.2	37.5	37.8	38.0	39.1
5	38.1	39.1	39.3	39.8	39.9	40.2	40.5	40.8	41.0	42.1
6	39.2	40.2	40.4	40.9	41.0	41.2	41.6	41.8	42.1	43.1
8	40.4	41.4	41.6	42.1	42.3	42.6	42.9	43.1	43.4	44.5
1	43.7	44.9	45.2	45.6	45.9	46.1	46.5	46.7	47.0	48.0
1	46.8	48.3	48.6	49.1	49.3	49.6	49.9	50.2	50.4	51.5
8	51.5	52.9	53.4	54.1	54.4	54.7	55.1	55.3	55.5	56.6
4	53.8	55.2	55.8	56.5	56.9	57.2	57.6	57.8	58.0	59.1
5	57.8	59.4	60.2	61.0	61.4	61.7	62.1	62.3	62.6	63.6
0	60.4	62.1	62.9	63.8	64.1	64.5	64.8	65.1	65.3	66.4
5	64.0	65.7	66.5	67.3	67.7	68.1	68.4	68.7	68.9	70.0
6	65.2	66.9	67.7	68.5	69.0	69.4	69.8	70.1	70.3	71.4
9	69.6	71.3	72.2	73.2	73.7	74.0	74.5	74.9	75.1	76.3
0	73.8	75.8	76.9	78.1	78.7	79.0	79.5	79.9	80.1	81.3
2	77.9	80.0	81.0	82.2	82.8	83.2	83.7	84.0	84.3	85.5
4	79.1	81.2	82.2	83.4	84.0	84.4	84.9	85.2	85.5	86.7
3	80.3	82.5	83.6	84.7	85.3	85.7	86.2	86.5	86.8	88.0
2	82.2	84.4	85.5	86.8	87.4	87.7	88.2	88.6	88.8	90.0
7	83.1	85.7	87.0	88.3	88.9	89.3	89.7	90.2	90.5	91.7
9	84.3	87.1	88.6	89.9	90.5	90.8	91.4	92.0	92.3	93.4
0	85.3	88.6	90.1	91.5	92.1	92.6	93.2	93.8	94.3	95.5
6	85.9	89.5	91.1	92.8	93.7	94.2	94.8	95.5	95.9	97.3
6	85.9	89.5	91.2	93.4	94.3	94.8	95.6	96.8	97.6	99.3
6	85.9	89.5	91.2	93.4	94.5	95.0	95.8	97.1	98.0	99.8
6	85.9	89.5	91.2	93.4	94.5	95.0	95.8	97.1	98.0	100.0

GLOBAL CLIMATOLOGY BRANCH . RCENTAGE FREQUENCY OF OCCURRENCE O
USAFETAC FROM HOURLY OBSER
AIR WEATHER SERVICE/MAC

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	VISIBILITY IN HUNDRE GE 32	GE 24	GE 20
NO CEIL	2.7	21.5	22.4	23.9	24.2	24.2	24.4	24.7	24.7
GE 20000	4.3	27.4	28.3	30.2	30.5	.5	30.6	31.0	31.(
GE 18000	4.3	27.5	28.5	30.4	30.8	30.8	30.9	31.2	31.2
GE 16000	4.3	27.5	28.5	30.4	30.8	30.8	30.9	31.2	31.2
GE 14000	4.3	27.6	28.6	30.5	30.9	30.9	31.0	31.4	31.4
GE 12000	4.8	29.0	30.3	32.4	32.8	32.8	32.9	33.4	33.4
GE 10000	5.2	32.4	33.9	36.2	36.6	36.6	36.8	37.4	37.(
GE 9000	5.4	33.4	35.0	37.4	37.8	37.8	38.0	38.6	38.(
GE 8000	5.4	37.9	39.6	42.0	42.3	42.3	42.9	43.5	43.
GE 7000	5.4	39.6	41.3	43.7	44.0	44.0	44.8	45.4	45.
GE 6000	5.5	40.0	41.7	44.1	44.5	44.5	45.2	45.8	45.
GE 5000	5.5	41.9	43.5	46.2	46.7	46.8	47.6	48.3	48.
GE 4500	5.8	44.1	45.8	49.2	49.8	49.9	50.8	51.7	51.
GE 4000	6.6	48.3	49.9	53.7	54.4	54.5	55.5	56.6	56.
GE 3500	7.1	51.1	52.8	56.7	57.7	57.9	58.9	60.2	60.
GE 3000	7.6	55.0	56.7	60.8	62.1	62.4	63.3	64.8	65.
GE 2500	7.7	56.5	58.3	62.6	63.9	64.2	65.3	66.8	67.
GE 2000	8.6	61.3	63.4	68.6	70.0	70.2	71.3	72.9	73.
GE 1800	9.0	62.4	64.5	69.7	71.2	71.4	72.5	74.1	74.
GE 1500	9.3	65.3	67.4	72.6	74.3	74.5	75.6	77.2	77.
GE 1200	9.5	70.6	73.2	78.9	80.9	81.2	82.4	84.0	84.
GE 1000	10.1	72.9	75.6	81.7	84.0	84.2	85.4	87.1	87.
GE 900	10.1	73.5	76.2	82.4	84.8	85.0	86.2	87.9	88.
GE 800	10.1	74.1	77.2	83.6	86.1	86.6	87.9	89.6	90.
GE 700	10.1	74.9	78.2	84.7	87.3	87.8	89.3	91.4	92.
GE 600	10.1	75.2	78.4	85.3	87.9	88.4	90.0	92.2	92.
GE 500	10.1	75.2	78.5	85.8	88.5	89.0	90.6	93.1	94.
GE 400	10.1	75.2	78.5	85.9	88.9	89.4	91.0	93.7	94.
GE 300	10.1	75.2	78.5	86.0	89.0	89.5	91.1	93.8	94.
GE 200	10.1	75.2	78.5	86.0	89.0	89.5	91.1	93.8	94.
GE 100	10.1	75.2	78.5	86.0	89.0	89.5	91.1	93.8	94.
GE 0	10.1	75.2	78.5	86.0	89.0	89.5	91.1	93.8	94.

TOTAL NUMBER OF OBSERVATIONS: 829

ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

D UK

PERIOD OF RECORD: 74-76,79-86
MONTH: DEC HOURS(LST): 1200-1400

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
24.4	24.7	24.7	25.5	25.6	25.7	25.7	25.7	25.7	25.8
30.6	31.0	31.0	31.7	31.8	32.0	32.1	32.1	32.1	32.2
30.9	31.2	31.2	32.0	32.1	32.2	32.3	32.3	32.3	32.4
30.9	31.2	31.2	32.0	32.1	32.2	32.3	32.3	32.3	32.4
31.0	31.4	31.4	32.1	32.2	32.3	32.4	32.4	32.4	32.6
32.9	33.4	33.4	34.1	34.3	34.4	34.5	34.5	34.5	34.6
36.8	37.4	37.4	38.2	38.4	38.5	38.6	38.6	38.6	38.7
38.0	38.6	38.6	39.4	39.6	39.7	39.8	39.8	39.8	39.9
42.9	43.5	43.5	44.4	44.5	44.6	44.8	44.8	44.8	44.9
44.8	45.4	45.4	46.2	46.3	46.4	46.6	46.6	46.6	46.7
45.2	45.8	45.8	46.8	46.9	47.0	47.2	47.2	47.2	47.3
47.6	48.3	48.3	49.2	49.3	49.5	49.6	49.6	49.6	49.7
50.8	51.7	51.7	52.7	52.8	53.0	53.1	53.1	53.1	53.2
55.5	56.6	56.7	57.7	57.9	58.0	58.1	58.1	58.1	58.3
58.9	60.2	60.4	61.4	61.6	61.8	61.9	61.9	61.9	62.0
63.3	64.8	65.3	66.2	66.5	66.6	66.7	66.7	66.7	66.8
65.3	66.8	67.3	68.3	68.5	68.6	68.9	68.9	68.9	69.0
71.3	72.9	73.3	74.3	74.5	74.7	74.9	74.9	74.9	75.0
72.5	74.1	74.5	75.5	75.8	75.9	76.1	76.1	76.1	76.2
75.6	77.2	77.7	78.6	78.9	79.0	79.3	79.3	79.3	79.4
82.4	84.0	84.4	85.5	85.8	85.9	86.1	86.1	86.1	86.2
85.4	87.1	87.6	88.7	88.9	89.0	89.3	89.3	89.3	89.4
86.2	87.9	88.5	89.6	89.9	90.0	90.2	90.2	90.2	90.3
87.9	89.6	90.3	91.4	91.7	91.8	92.0	92.0	92.0	92.2
89.3	91.4	92.2	93.6	93.8	94.0	94.2	94.2	94.2	94.3
90.0	92.2	92.9	94.3	94.6	94.7	94.9	94.9	94.9	95.1
90.6	93.1	94.0	95.4	95.7	95.8	96.0	96.0	96.0	96.1
91.0	93.7	94.6	96.3	96.5	96.6	97.0	97.5	97.7	97.8
91.1	93.8	94.7	96.6	96.9	97.2	97.6	98.1	98.3	98.4
91.1	93.8	94.7	96.9	97.5	98.1	98.6	99.2	99.4	99.6
91.1	93.8	94.7	96.9	97.6	98.3	98.8	99.4	99.6	100.0
91.1	93.8	94.7	96.9	97.6	98.3	98.8	99.4	99.6	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE O
FROM HOURLY OBSER

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDRE GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
NO CEIL	1.8	23.1	23.9	25.9	26.3	26.3	26.6	26.7	26.7
GE 20000	3.4	27.5	28.8	31.1	31.7	31.8	32.1	32.2	32.2
GE 18000	3.5	27.9	29.1	31.5	32.1	32.2	32.4	32.6	32.6
GE 16000	3.8	28.2	29.4	31.7	32.3	32.4	32.7	32.8	32.8
GE 14000	4.0	28.6	30.0	32.3	32.9	33.0	33.3	33.4	33.4
GE 12000	4.5	29.6	31.0	33.4	34.0	34.1	34.4	34.5	34.5
GE 10000	4.5	31.5	32.9	36.0	36.6	36.7	37.0	37.1	37.3
GE 9000	4.5	32.2	33.7	36.7	37.3	37.5	37.7	37.8	38.1
GE 8000	4.5	35.3	36.8	40.1	41.1	41.2	41.7	42.0	42.2
GE 7000	4.5	36.0	37.6	40.9	41.9	42.0	42.5	42.7	43.0
GE 6000	4.7	36.5	38.2	41.6	42.6	42.7	43.2	43.5	43.7
GE 5000	5.1	39.9	41.7	45.7	46.8	46.9	47.4	47.7	48.0
GE 4500	5.6	42.1	44.3	48.2	49.3	49.4	49.9	50.3	50.7
GE 4000	5.9	46.0	48.3	52.6	53.7	53.9	54.5	54.8	55.2
GE 3500	6.6	49.4	51.9	56.4	57.5	57.6	58.4	58.9	59.4
GE 3000	7.2	55.1	57.5	62.7	64.1	64.3	65.2	66.0	66.5
GE 2500	7.6	57.5	60.1	65.2	66.7	66.8	67.8	68.5	69.0
GE 2000	8.0	62.8	65.4	71.5	73.2	73.3	74.3	75.0	75.5
GE 1800	8.1	63.9	66.6	72.8	74.5	74.7	75.6	76.4	76.9
GE 1500	8.3	66.5	69.3	75.8	77.8	78.0	78.9	79.7	80.2
GE 1200	8.7	70.6	73.9	81.4	83.7	84.1	85.3	86.0	86.7
GE 1000	8.8	72.2	75.8	83.5	85.9	86.3	87.8	88.5	89.2
GE 900	8.8	72.7	76.5	84.3	86.9	87.3	88.9	89.6	90.3
GE 800	8.8	73.1	77.0	84.8	87.4	87.8	89.5	90.5	91.2
GE 700	8.8	73.7	77.6	85.7	88.2	88.6	90.5	91.4	92.2
GE 600	8.8	73.9	77.8	86.5	89.2	89.7	91.7	92.8	93.6
GE 500	8.8	74.2	78.1	87.0	90.0	90.5	92.4	94.0	95.1
GE 400	8.8	74.3	78.2	87.1	90.1	90.7	92.8	94.6	95.7
GE 300	8.8	74.3	78.2	87.1	90.1	90.7	92.8	94.6	96.0
GE 200	8.8	74.3	78.2	87.1	90.1	90.7	92.8	94.6	96.1
GE 100	8.8	74.3	78.2	87.1	90.1	90.7	92.8	94.6	96.1
GE 0	8.8	74.3	78.2	87.1	90.1	90.7	92.8	94.6	96.1

TOTAL NUMBER OF OBSERVATIONS: 817

ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: DEC HOURS(LST): 1500-1700

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
26.6	26.7	26.7	26.8	26.9	26.9	26.9	27.2	27.2	27.2
32.1	32.2	32.2	32.3	32.4	32.4	32.4	32.7	32.7	32.7
32.4	32.6	32.6	32.7	32.8	32.8	32.8	33.0	33.0	33.0
32.7	32.8	32.8	32.9	33.0	33.0	33.0	33.3	33.3	33.3
33.3	33.4	33.4	33.5	33.7	33.7	33.7	33.9	33.9	33.9
34.4	34.5	34.5	34.6	34.8	34.8	34.8	35.0	35.0	35.0
37.0	37.1	37.3	37.7	37.8	37.8	37.8	38.1	38.1	38.1
37.7	37.8	38.1	38.4	38.6	38.6	38.6	38.8	38.8	38.8
41.7	42.0	42.2	42.6	42.7	42.7	42.7	43.0	43.0	43.0
42.5	42.7	43.0	43.3	43.5	43.5	43.5	43.7	43.7	43.7
43.2	43.5	43.7	44.1	44.2	44.2	44.2	44.4	44.4	44.4
47.4	47.7	48.0	48.3	48.5	48.5	48.5	48.7	48.7	48.7
49.9	50.3	50.7	51.0	51.2	51.2	51.2	51.4	51.4	51.4
54.5	54.8	55.2	55.6	55.7	55.7	55.7	55.9	55.9	55.9
58.4	58.9	59.4	59.7	59.9	59.9	59.9	60.1	60.1	60.1
65.2	66.0	66.5	66.8	67.0	67.0	67.0	67.2	67.2	67.2
67.8	68.5	69.0	69.4	69.5	69.5	69.5	69.8	69.8	69.8
74.3	75.0	75.5	75.9	76.0	76.0	76.0	76.3	76.3	76.3
75.6	76.4	76.9	77.2	77.4	77.4	77.4	77.6	77.6	77.6
78.9	79.7	80.2	80.5	80.7	80.7	80.7	80.9	80.9	80.9
85.3	86.0	86.7	87.0	87.1	87.3	87.3	87.5	87.5	87.5
87.8	88.5	89.2	89.6	89.7	90.0	90.0	90.2	90.2	90.2
88.9	89.6	90.3	90.7	90.8	91.1	91.1	91.3	91.3	91.3
89.5	90.5	91.2	91.7	91.8	92.0	92.0	92.4	92.4	92.4
90.5	91.4	92.2	92.7	92.8	93.0	93.0	93.5	93.5	93.5
91.7	92.8	93.6	94.1	94.2	94.5	94.6	95.1	95.1	95.1
92.4	94.0	95.1	95.8	96.0	96.2	96.3	96.8	96.8	96.8
92.8	94.6	95.7	96.5	96.6	96.8	96.9	97.4	97.7	97.8
92.8	94.6	96.0	96.9	97.1	97.3	97.4	97.9	98.2	98.3
92.8	94.6	96.1	97.4	97.8	98.2	98.3	99.0	99.4	99.9
92.8	94.6	96.1	97.4	97.8	98.3	98.4	99.1	99.5	100.0
92.8	94.6	96.1	97.4	97.8	98.3	98.4	99.1	99.5	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERV

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20
							VISIBILITY IN HUNDRED		
NO CEIL	1.0	28.9	29.5	31.3	32.2	32.4	32.9	33.1	33.2
GE 20000	2.0	32.9	33.5	35.4	36.3	36.4	37.2	37.3	37.4
GE 18000	2.0	32.9	33.5	35.4	36.3	36.4	37.2	37.3	37.4
GE 16000	2.2	33.1	33.7	35.6	36.4	36.6	37.3	37.4	37.6
GE 14000	2.5	33.4	34.0	35.8	36.7	36.9	37.6	37.7	37.9
GE 12000	2.6	34.1	34.7	36.7	37.6	37.7	38.5	38.6	38.8
GE 10000	2.6	36.1	36.7	38.9	39.9	40.1	40.8	40.9	41.2
GE 9000	2.6	36.6	37.2	39.5	40.5	40.6	41.4	41.5	41.8
GE 8000	2.6	39.6	40.2	42.8	43.8	44.0	44.7	44.8	45.1
GE 7000	2.6	40.2	40.8	43.4	44.4	44.6	45.3	45.4	45.7
GE 6000	2.6	40.9	41.5	44.6	45.6	45.7	46.4	46.6	46.9
GE 5000	2.9	44.6	45.1	48.3	49.5	49.6	50.5	50.7	50.9
GE 4500	2.9	46.6	47.2	50.4	51.5	51.7	52.5	52.7	53.0
GE 4000	3.0	50.7	51.2	54.4	55.6	55.7	56.7	57.0	57.3
GE 3500	3.5	54.4	55.0	58.5	59.7	59.8	60.8	61.1	61.4
GE 3000	3.9	59.4	59.9	63.7	65.6	65.9	66.9	67.3	67.8
GE 2500	4.2	62.0	62.7	66.6	68.7	68.9	70.0	70.4	70.8
GE 2000	4.2	66.6	67.5	72.3	74.3	74.6	75.6	76.3	76.8
GE 1800	4.5	67.2	68.1	72.9	74.9	75.2	76.2	76.9	77.4
GE 1500	4.6	72.6	73.4	78.7	81.1	81.4	82.6	83.3	83.7
GE 1200	4.6	74.6	75.9	81.6	84.0	84.5	85.6	86.5	86.9
GE 1000	4.6	76.3	77.6	83.6	86.2	86.6	87.8	88.7	89.1
GE 900	4.6	76.8	78.2	84.2	86.8	87.2	88.4	89.3	89.7
GE 800	4.6	77.6	79.1	85.1	87.7	88.1	89.6	90.4	90.9
GE 700	4.6	77.8	79.2	85.2	87.8	88.2	90.3	91.3	91.7
GE 600	4.6	78.5	80.1	86.9	89.8	90.3	92.3	93.3	93.8
GE 500	4.6	78.7	80.6	87.5	90.4	90.9	93.2	94.3	94.8
GE 400	4.6	79.0	80.8	87.8	90.7	91.3	93.6	95.2	95.8
GE 300	4.6	79.0	80.8	87.8	90.7	91.3	93.6	95.2	95.8
GE 200	4.6	79.0	80.8	87.8	90.7	91.3	93.6	95.2	95.8
GE 100	4.6	79.0	80.8	87.8	90.7	91.3	93.6	95.2	95.8
GE 0	4.6	79.0	80.8	87.8	90.7	91.3	93.6	95.2	95.8

TOTAL NUMBER OF OBSERVATIONS: 689

EQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RFORD UK

PERIOD OF RECORD: 74-76,79-86
MONTH: DEC HOURS(LST): 1800-2000

VISIBILITY IN HUNDREDS OF METERS

GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
2.4	32.9	33.1	33.2	33.4	33.4	33.5	33.7	33.8	34.1	34.7
6.4	37.2	37.3	37.4	37.7	37.7	37.9	38.0	38.2	38.6	39.2
6.4	37.2	37.3	37.4	37.7	37.7	37.9	38.0	38.2	38.6	39.2
6.6	37.3	37.4	37.6	37.9	37.9	38.0	38.2	38.3	38.8	39.3
6.9	37.6	37.7	37.9	38.2	38.2	38.3	38.5	38.6	39.0	39.6
7.7	38.5	38.6	38.8	39.0	39.0	39.2	39.3	39.5	39.9	40.5
0.1	40.8	40.9	41.2	41.5	41.5	41.7	41.8	41.9	42.4	43.0
1.6	41.4	41.5	41.8	42.1	42.1	42.2	42.4	42.5	43.0	43.5
4.6	44.7	44.8	45.1	45.4	45.4	45.6	45.7	45.9	46.3	46.9
4.6	45.3	45.4	45.7	46.0	46.0	46.2	46.3	46.4	46.9	47.5
5.7	46.4	46.6	46.9	47.2	47.2	47.3	47.5	47.6	48.0	48.6
9.6	50.5	50.7	50.9	51.2	51.2	51.4	51.5	51.7	52.1	52.7
1.7	52.5	52.7	53.0	53.3	53.3	53.4	53.6	53.7	54.1	54.7
5.7	56.7	57.0	57.3	57.6	57.6	57.8	57.9	58.1	58.5	59.1
9.8	60.8	61.1	61.4	61.7	61.7	61.8	62.0	62.1	62.6	63.1
5.9	66.9	67.3	67.8	68.1	68.1	68.2	68.4	68.5	68.9	69.5
8.9	70.0	70.4	70.8	71.1	71.1	71.3	71.4	71.6	72.0	72.6
4.6	75.6	76.3	76.8	77.1	77.1	77.2	77.4	77.5	77.9	78.5
5.2	76.2	76.9	77.4	77.6	77.6	77.8	77.9	78.1	78.5	79.1
1.4	82.6	83.3	83.7	84.0	84.0	84.2	84.3	84.5	84.9	85.5
4.5	85.6	86.5	86.9	87.2	87.2	87.4	87.5	87.7	88.1	88.7
6.6	87.8	88.7	89.1	89.4	89.4	89.6	89.7	89.8	90.3	90.9
7.2	88.4	89.3	89.7	90.0	90.0	90.1	90.3	90.4	90.9	91.4
8.1	89.6	90.4	90.9	91.1	91.1	91.3	91.4	91.6	92.0	92.6
8.2	90.3	91.3	91.7	92.0	92.0	92.2	92.3	92.5	92.9	93.5
0.3	92.3	93.3	93.8	94.0	94.0	94.2	94.3	94.5	94.9	95.5
2.9	93.2	94.3	94.8	95.1	95.1	95.2	95.4	95.5	95.9	96.5
1.3	93.6	95.2	95.8	96.1	96.1	96.2	96.5	97.0	97.7	98.3
1.3	93.6	95.2	95.8	96.1	96.1	96.2	96.7	97.1	98.1	98.7
1.3	93.6	95.2	95.8	96.1	96.1	96.2	96.7	97.1	98.1	99.3
1.3	93.6	95.2	95.8	96.1	96.2	96.4	96.8	97.2	98.3	99.4
1.3	93.6	95.2	95.8	96.1	96.2	96.4	96.8	97.2	98.3	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURREN
FROM HOURLY O

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24
							VISIBILITY IN HU	
NO CEIL		29.7	29.7	31.4	32.5	32.5	33.0	33.2
GE 20000		33.2	33.2	35.1	36.1	36.1	36.6	36.8
GE 18000		33.2	33.2	35.1	36.1	36.1	36.6	36.8
GE 16000		33.2	33.2	35.1	36.1	36.1	36.6	36.8
GE 14000		33.2	33.2	35.1	36.1	36.1	36.6	36.8
GE 12000		33.5	33.5	35.4	36.4	36.4	36.9	37.1
GE 10000		36.1	36.1	38.0	39.0	39.0	39.7	39.9
GE 9000		36.1	36.1	38.0	39.0	39.0	39.7	39.9
GE 8000		39.9	39.9	42.1	43.1	43.1	43.8	44.0
GE 7000		40.4	40.4	42.6	43.6	43.6	44.7	44.8
GE 6000		41.2	41.2	43.5	44.5	44.5	45.5	45.7
GE 5000		45.7	45.7	48.3	49.3	49.3	50.3	50.5
GE 4500		46.9	46.9	49.5	50.5	50.5	51.5	51.9
GE 4000		50.5	50.5	53.1	54.1	54.1	55.2	55.5
GE 3500		54.5	54.5	57.0	58.2	58.2	59.3	59.8
GE 3000	.2	58.4	58.6	61.5	63.1	63.1	64.1	64.8
GE 2500	.2	60.5	60.7	63.6	65.1	65.1	66.2	66.8
GE 2000	.2	65.6	66.0	69.6	71.1	71.1	72.2	72.9
GE 1800	.2	66.3	66.7	70.3	71.8	71.8	72.9	73.5
GE 1500	.2	70.4	70.8	74.6	76.1	76.1	77.1	78.2
GE 1200	.2	72.9	73.4	77.7	79.2	79.2	80.2	81.3
GE 1000	.2	74.7	75.3	80.1	81.6	81.6	82.6	83.7
GE 900	.2	75.4	75.9	80.9	82.5	82.5	83.5	84.5
GE 800	.2	75.8	76.6	82.1	83.7	83.7	85.1	86.1
GE 700	.2	76.1	77.1	83.2	84.7	84.7	86.1	87.1
GE 600	.2	76.5	77.5	84.5	86.4	86.4	87.8	88.8
GE 500	.2	76.8	77.8	84.9	87.3	87.3	88.7	89.7
GE 400	.2	77.0	78.0	85.2	88.0	88.0	89.3	90.4
GE 300	.2	77.0	78.0	85.2	88.0	88.0	89.9	90.9
GE 200	.2	77.0	78.0	85.2	88.0	88.0	89.9	91.2
GE 100	.2	77.0	78.0	85.2	88.0	88.0	89.9	91.2
GE 0	.2	77.0	78.0	85.2	88.0	88.0	89.9	91.2

TOTAL NUMBER OF OBSERVATIONS: 582

Y OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

JK

PERIOD OF RECORD: 74-75,80-86
MONTH: DEC HOURS(LST): 2100-2300

SIBILITY IN HUNDREDS OF METERS

GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
33.0	33.2	33.3	33.7	34.0	34.4	34.5	35.7	36.3	37.8
36.6	36.8	36.9	37.3	37.6	38.0	38.1	39.3	39.9	41.4
36.6	36.8	36.9	37.3	37.6	38.0	38.1	39.3	39.9	41.4
36.6	36.8	36.9	37.3	37.6	38.0	38.1	39.3	39.9	41.4
36.6	36.8	36.9	37.3	37.6	38.0	38.1	39.3	39.9	41.4
36.9	37.1	37.3	37.6	38.0	38.3	38.5	39.7	40.2	41.8
39.7	39.9	40.0	40.4	40.7	41.1	41.2	42.4	43.0	44.5
39.7	39.9	40.0	40.4	40.7	41.1	41.2	42.4	43.0	44.5
43.8	44.0	44.2	44.5	44.8	45.2	45.4	46.6	47.1	48.6
44.7	44.8	45.0	45.4	45.7	46.0	46.2	47.4	47.9	49.5
45.5	45.7	45.9	46.2	46.6	46.9	47.1	48.3	48.8	50.3
50.3	50.5	50.7	51.0	51.4	51.7	51.9	53.1	53.6	55.2
51.5	51.9	52.1	52.4	52.7	53.1	53.3	54.5	55.0	56.5
55.2	55.5	55.7	56.0	56.4	56.7	56.9	58.1	58.6	60.1
59.3	59.8	60.0	60.3	60.7	61.0	61.2	62.4	62.9	64.4
64.1	64.8	64.9	65.3	65.6	66.0	66.2	67.4	67.9	69.4
66.2	66.8	67.0	67.4	67.7	68.0	68.2	69.4	69.9	71.5
72.2	72.9	73.0	73.4	73.7	74.1	74.2	75.4	75.9	77.5
72.9	73.5	73.7	74.1	74.4	74.7	74.9	76.1	76.6	78.2
77.1	78.2	78.4	78.9	79.2	79.6	79.7	80.9	81.4	83.0
80.2	81.3	81.4	82.0	82.3	82.6	82.8	84.0	84.5	86.1
82.6	83.7	83.8	84.4	84.7	85.1	85.2	86.4	86.9	88.5
83.5	84.5	84.7	85.2	85.6	85.9	86.1	87.3	87.8	89.3
85.1	86.1	86.3	86.8	87.1	87.5	87.6	88.8	89.3	90.9
86.1	87.1	87.3	87.8	88.1	88.5	88.7	89.9	90.4	91.9
87.8	88.8	89.0	89.5	89.9	90.2	90.4	91.6	92.1	93.6
88.7	89.7	89.9	90.4	90.7	91.1	91.2	92.4	93.0	94.5
89.3	90.4	90.5	91.1	91.4	91.8	91.9	93.1	93.6	95.2
89.9	90.9	91.2	91.8	92.3	92.6	93.0	94.5	95.0	96.6
89.9	91.2	91.6	92.1	93.1	93.6	94.2	95.7	96.2	98.8
89.9	91.2	91.6	92.1	93.3	93.8	94.5	96.2	97.1	99.7
89.9	91.2	91.6	92.1	93.3	93.8	94.5	96.2	97.3	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	VISIBILITY IN HUNDREDS OF FEET: GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	G
NO CEIL	2.1	24.8	25.3	26.8	27.4	27.5	27.8	28.1	28
GE 20000	3.0	28.4	29.0	30.7	31.5	31.7	32.0	32.3	32
GE 18000	3.1	28.6	29.2	30.9	31.7	31.9	32.2	32.5	32
GE 16000	3.1	28.6	29.2	30.9	31.7	31.9	32.2	32.5	32
GE 14000	3.2	28.8	29.5	31.2	31.9	32.2	32.5	32.7	32
GE 12000	3.4	29.5	30.2	31.9	32.7	32.9	33.2	33.5	33
GE 10000	3.5	31.6	32.3	34.3	35.1	35.3	35.7	36.0	36
GE 9000	3.5	32.1	32.9	34.9	35.7	35.9	36.3	36.6	36
GE 8000	3.5	34.9	35.7	37.9	38.7	38.9	39.4	39.7	39
GE 7000	3.5	35.7	36.5	38.7	39.6	39.8	40.3	40.6	40
GE 6000	3.6	36.3	37.1	39.3	40.2	40.4	40.9	41.3	41
GE 5000	4.0	40.0	40.9	43.4	44.3	44.5	45.1	45.5	45
GE 4500	4.3	42.3	43.2	45.8	46.8	47.0	47.6	48.1	48
GE 4000	4.7	45.7	46.8	49.6	50.6	50.9	51.5	52.1	52
GE 3500	5.0	48.5	49.6	52.5	53.6	53.9	54.7	55.3	55
GE 3000	5.6	53.3	54.5	57.7	59.1	59.5	60.4	61.2	61
GE 2500	5.9	55.7	56.9	60.4	62.0	62.4	63.3	64.2	64
GE 2000	6.3	60.2	61.7	65.7	67.4	67.8	68.8	69.8	70
GE 1800	6.5	61.1	62.7	66.8	68.5	69.0	69.9	71.0	71
GE 1500	6.7	64.5	66.1	70.5	72.5	72.9	73.9	75.0	75
GE 1200	7.2	67.9	69.9	74.7	76.7	77.2	78.3	79.5	80
GE 1000	7.6	70.3	72.4	77.5	79.7	80.2	81.3	82.6	83
GE 900	7.6	71.0	73.1	78.3	80.6	81.1	82.2	83.5	84
GE 800	7.6	71.7	74.0	79.4	81.8	82.3	83.6	85.0	85
GE 700	7.7	72.7	75.1	80.7	83.1	83.7	85.1	86.5	87
GE 600	7.7	73.1	75.6	81.7	84.3	84.9	86.3	87.9	88
GE 500	7.7	73.5	76.0	82.5	85.3	85.9	87.6	89.3	90
GE 400	7.7	73.6	76.2	82.8	85.8	86.6	88.3	90.3	91
GE 300	7.7	73.6	76.2	83.0	86.0	86.8	88.7	90.9	91
GE 200	7.7	73.6	76.2	83.0	86.0	86.9	88.8	91.1	92
GE 100	7.7	73.6	76.2	83.0	86.0	86.9	88.9	91.1	92
GE 0	7.7	73.6	76.2	83.0	86.0	86.9	88.9	91.1	92

TOTAL NUMBER OF OBSERVATIONS: 6129

NCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

D UK

PERIOD OF RECORD: 74-76,79-86
MONTH: DEC HOURS(LST): ALL

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
27.8	28.1	28.2	28.6	28.7	28.8	29.0	29.3	29.5	30.3
32.0	32.3	32.3	32.8	32.9	33.1	33.2	33.5	33.7	34.5
32.2	32.5	32.5	33.0	33.1	33.3	33.4	33.7	33.9	34.7
32.2	32.5	32.6	33.0	33.1	33.3	33.4	33.7	34.0	34.8
32.5	32.7	32.8	33.3	33.4	33.5	33.7	34.0	34.2	35.0
33.2	33.5	33.6	34.1	34.2	34.3	34.5	34.8	35.0	35.8
35.7	36.0	36.1	36.6	36.7	36.9	37.0	37.3	37.6	38.4
36.3	36.6	36.7	37.2	37.3	37.5	37.7	38.0	38.2	39.0
39.4	39.7	39.9	40.4	40.6	40.7	40.9	41.2	41.4	42.2
40.3	40.6	40.8	41.3	41.4	41.6	41.8	42.1	42.3	43.1
40.9	41.3	41.5	42.0	42.2	42.3	42.5	42.8	43.0	43.8
45.1	45.5	45.7	46.3	46.4	46.6	46.7	47.0	47.3	48.1
47.6	48.1	48.4	48.9	49.1	49.3	49.4	49.7	49.9	50.8
51.5	52.1	52.3	52.9	53.1	53.3	53.5	53.8	54.0	54.8
54.7	55.3	55.7	56.3	56.5	56.7	56.9	57.2	57.4	58.3
60.4	61.2	61.7	62.5	62.7	62.9	63.0	63.4	63.6	64.5
63.3	64.2	64.7	65.5	65.7	65.9	66.0	66.4	66.6	67.5
68.8	69.8	70.3	71.1	71.3	71.5	71.7	72.0	72.2	73.1
69.9	71.0	71.5	72.2	72.5	72.7	72.9	73.2	73.4	74.3
73.9	75.0	75.5	76.3	76.6	76.8	77.0	77.3	77.6	78.4
78.3	79.5	80.1	81.0	81.3	81.5	81.6	82.0	82.2	83.1
81.3	82.6	83.1	84.1	84.4	84.6	84.8	85.1	85.4	86.2
82.2	83.5	84.1	85.1	85.3	85.6	85.7	86.1	86.3	87.2
83.6	85.0	85.6	86.5	86.8	87.0	87.2	87.6	87.8	88.7
85.1	86.5	87.1	88.1	88.4	88.7	88.8	89.2	89.5	90.4
86.3	87.9	88.5	89.6	89.8	90.1	90.3	90.7	90.9	91.8
87.6	89.3	90.1	91.2	91.5	91.7	91.9	92.4	92.6	93.5
88.3	90.3	91.2	92.4	92.7	93.0	93.2	93.8	94.1	95.0
88.7	90.9	91.9	93.3	93.7	94.0	94.3	95.0	95.4	96.4
88.8	91.1	92.1	93.9	94.5	94.9	95.3	96.2	96.9	98.6
88.9	91.1	92.2	94.0	94.8	95.3	95.7	96.8	97.5	99.4
88.9	91.1	92.2	94.0	94.8	95.3	95.7	96.9	97.7	100.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSE

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

CEILING IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 2
							VISIBILITY IN HUNDR		
NO CEIL	2.5	28.5	29.3	31.1	32.0	32.2	32.7	33.0	33.
GE 20000	3.5	33.2	34.1	36.3	37.4	37.6	38.2	38.6	38.
GE 18000	3.5	33.4	34.2	36.4	37.5	37.7	38.3	38.8	39.
GE 16000	3.6	33.4	34.3	36.4	37.5	37.8	38.4	38.8	39.
GE 14000	3.6	33.7	34.6	36.7	37.8	38.1	38.7	39.1	39.
GE 12000	3.9	34.5	35.5	37.7	38.8	39.1	39.7	40.1	40.
GE 10000	4.1	37.2	38.2	40.7	41.9	42.2	42.9	43.3	43.
GE 9000	4.2	38.1	39.1	41.6	42.8	43.1	43.8	44.3	44.
GE 8000	4.2	41.1	42.2	45.0	46.3	46.6	47.3	47.8	48.
GE 7000	4.3	42.1	43.2	46.0	47.4	47.7	48.5	49.0	49.
GE 6000	4.5	43.2	44.4	47.3	48.7	49.0	49.8	50.3	50.
GE 5000	5.0	48.2	49.5	52.7	54.2	54.5	55.5	56.0	56.
GE 4500	5.3	51.2	52.6	56.0	57.6	57.9	58.9	59.5	59.
GE 4000	5.6	55.3	56.8	60.4	62.1	62.4	63.5	64.1	64.
GE 3500	5.9	58.1	59.7	63.4	65.2	65.6	66.6	67.3	67.
GE 3000	6.3	62.9	64.7	68.7	70.7	71.1	72.2	73.0	73.
GE 2500	6.6	64.7	66.5	70.7	72.8	73.2	74.4	75.3	75.
GE 2000	7.0	68.1	70.1	74.7	76.9	77.4	78.7	79.6	80.
GE 1800	7.2	68.8	70.9	75.5	77.8	78.3	79.6	80.6	81.
GE 1500	7.4	71.1	73.3	78.4	80.8	81.3	82.8	83.8	84.
GE 1200	7.7	73.2	75.6	81.1	83.6	84.2	85.8	87.0	87.
GE 1000	7.8	74.5	77.0	82.7	85.4	86.0	87.7	89.0	89.
GE 900	7.9	75.0	77.5	83.3	86.1	86.7	88.5	89.8	90.
GE 800	7.9	75.5	78.1	84.1	87.0	87.7	89.6	90.9	91.
GE 700	7.9	76.0	78.7	85.0	87.9	88.6	90.6	92.1	92.
GE 600	8.0	76.2	79.0	85.4	88.5	89.2	91.3	92.8	93.
GE 500	8.0	76.4	79.2	85.7	88.9	89.7	91.8	93.5	94.
GE 400	8.0	76.5	79.3	86.0	89.2	90.0	92.3	94.0	94.
GE 300	8.0	76.5	79.3	86.0	89.3	90.1	92.4	94.3	95.
GE 200	8.0	76.5	79.3	86.0	89.3	90.2	92.5	94.4	95.
GE 100	8.0	76.5	79.3	86.0	89.3	90.2	92.5	94.4	95.
GE 0	8.0	76.5	79.3	86.0	89.4	90.2	92.5	94.4	95.

TOTAL NUMBER OF OBSERVATIONS: 71645

ENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

RD UK

PERIOD OF RECORD: 74-76,79-87
MONTH: ALL HOURS(LST): ALL

VISIBILITY IN HUNDREDS OF METERS									
GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
32.7	33.0	33.3	33.6	33.7	33.8	33.8	34.0	34.2	34.6
38.2	38.6	38.9	39.3	39.3	39.5	39.5	39.7	39.9	40.3
38.3	38.8	39.0	39.4	39.5	39.6	39.7	39.9	40.1	40.5
38.4	38.8	39.1	39.4	39.5	39.6	39.7	39.9	40.1	40.5
38.7	39.1	39.4	39.7	39.8	39.9	40.0	40.2	40.4	40.8
39.7	40.1	40.4	40.8	40.9	41.0	41.1	41.3	41.4	41.8
42.9	43.3	43.6	44.0	44.1	44.2	44.3	44.5	44.7	45.1
43.8	44.3	44.6	45.0	45.1	45.2	45.3	45.5	45.6	46.0
47.3	47.8	48.1	48.6	48.7	48.8	48.9	49.1	49.3	49.7
48.5	49.0	49.3	49.7	49.9	50.0	50.1	50.3	50.5	50.9
49.8	50.3	50.7	51.1	51.2	51.4	51.4	51.7	51.9	52.3
55.5	56.0	56.4	56.9	57.0	57.1	57.2	57.5	57.7	58.1
58.9	59.5	59.9	60.4	60.5	60.6	60.7	61.0	61.2	61.6
63.5	64.1	64.5	65.1	65.2	65.3	65.4	65.6	65.8	66.3
66.6	67.3	67.7	68.3	68.4	68.5	68.6	68.9	69.1	69.5
72.2	73.0	73.5	74.1	74.2	74.4	74.5	74.7	74.9	75.3
74.4	75.3	75.7	76.3	76.5	76.6	76.7	77.0	77.2	77.6
78.7	79.6	80.1	80.7	80.9	81.0	81.1	81.4	81.6	82.0
79.6	80.6	81.1	81.7	81.9	82.0	82.1	82.4	82.6	83.0
82.8	83.8	84.3	85.0	85.2	85.3	85.5	85.7	85.9	86.3
85.8	87.0	87.5	88.3	88.5	88.6	88.7	89.0	89.2	89.6
87.7	89.0	89.6	90.4	90.6	90.8	90.9	91.2	91.4	91.8
88.5	89.8	90.5	91.3	91.5	91.7	91.8	92.0	92.2	92.7
89.6	90.9	91.6	92.5	92.7	92.8	92.9	93.2	93.4	93.9
90.6	92.1	92.8	93.7	93.9	94.1	94.2	94.5	94.7	95.1
91.3	92.8	93.6	94.5	94.8	95.0	95.1	95.4	95.6	96.0
91.8	93.5	94.3	95.3	95.6	95.8	95.9	96.2	96.5	96.9
92.3	94.0	94.9	96.0	96.3	96.5	96.7	97.0	97.3	97.7
92.4	94.3	95.2	96.4	96.8	97.0	97.2	97.6	97.9	98.5
92.5	94.4	95.4	96.7	97.1	97.3	97.6	98.1	98.4	99.3
92.5	94.4	95.4	96.7	97.2	97.4	97.7	98.3	98.7	99.7
92.5	94.4	95.4	96.7	97.2	97.5	97.7	98.3	98.8	100.0

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PPPPPPPP          AAAAAA          RRRRRRRR          TTTTTTTTTT          EEEEEEEEEE
PPPPPPPPP        AAAAAAAA         RRRRRRRRR         TTTTTTTTTT          EEEEEEEEEE
PP      PP      AA      AA        RR      RR            TT              EE
PP      PP      AA      AA        RR      RR            TT              EE
PPPPPPPPP       AA      AA        RRRRRRRRR             TT              EEEEEE
PPPPPPPP        AAAAAAAAAA        RRRRRRRR              TT              EEEEEE
PP              AAAAAAAAAA        RR    RR              TT              EE
PP              AA      AA        RR     RR             TT              EE
PP              AA      AA        RR      RR            TT              EEEEEEEEEE
PP              AA      AA        RR       RR           TT              EEEEEEEEEE
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TEMPERATURE AND RELATIVE HUMIDITY SUMMARIE

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIM

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMEN
IATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETE
THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING AS

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DI

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS

AN ASTERIST INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TE

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTH

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY A

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE H

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

ATIVE HUMIDITY SUMMARIES

OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

SREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEV-

ENHEIT DEGREE INCREMENT.

EIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING
ND LOWEST VALUES.

SES (THOSE CONTAINING ASTERISKS).

O FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

Y ATURE FOR THE MONTH FOR EACH YEAR.

N E THE SAME LIMITATIONS MENTIONED ABOVE.

T T BULB AND DEW POINT) TEMPERATURES

DE GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ND OBSERVATION COUNTS.

OF RELATIVE HUMIDITY

ROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

INCREMENTS OF RELATIVE HUMIDITY.

BSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE O
FROM SUMMARY OF DAY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL
GE 90							.8
GE 85					.2		1.9
GE 80					.4	3.3	8.4
GE 75					2.2	11.8	23.2
GE 70				1.7	8.8	29.1	48.4
GE 65			.9	5.5	19.7	53.7	79.5
GE 60		.6	1.5	17.1	46.1	89.0	98.7
GE 55	.7	3.8	12.2	47.6	80.5	98.2	100.0
GE 50	14.7	22.5	41.6	82.0	98.3	100.0	
GE 45	40.2	45.5	72.6	96.1	100.0		
GE 40	61.1	63.6	90.1	99.1			
GE 35	84.0	87.4	99.5	100.0			
GE 30	94.8	98.6	100.0				
GE 25	98.9	100.0					
GE 20	99.6						
GE 15	100.0						
MEAN	41.7	43.0	47.8	54.4	59.8	66.4	69.9
SD	7.146	7.095	5.955	6.005	6.303	6.237	6.256
TOTAL OBS	537	494	548	532	544	492	521

[M]ENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

FAIRFORD UK PERIOD OF RECORD: 52-55, 58-64, 79-

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
		.8						.1
.2		1.9	1.0	.2				.3
.4	3.3	8.4	4.2	.8				1.4
2.2	11.8	23.2	15.2	3.7	.6			4.7
8.8	29.1	48.4	40.6	17.1	2.2			12.3
19.7	53.7	79.5	75.2	43.7	8.0			23.8
46.1	89.0	98.7	98.5	84.1	30.2	1.4	.2	38.9
80.5	98.2	100.0	100.0	97.9	69.4	19.7	4.6	52.9
98.3	100.0			100.0	95.9	54.3	27.3	69.8
00.0					100.0	82.2	58.0	82.9
						93.2	75.5	90.3
						99.4	91.2	96.8
						100.0	99.6	99.4
								99.9
							100.0	100.0
								100.0
59.8	66.4	69.9	68.8	64.4	57.4	49.4	44.7	55.6
.303	6.237	6.256	5.502	5.264	5.101	5.633	6.731	11.592
544	492	521	520	515	510	488	502	6203

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE
FROM SUMMARY OF

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL
GE 70						1.8	5.6
GE 60					1.8	16.3	35.5
GE 55					13.8	54.7	79.8
GE 50	.4	.8	.4	1.1	50.2	89.0	98.1
GE 45	6.7	6.5	7.1	18.4	78.7	97.6	99.8
GE 40	15.6	18.6	21.9	44.2	96.3	99.6	100.0
GE 35	41.5	42.1	51.5	79.1	98.7	100.0	
GE 33	52.9	52.8	66.8	88.9	100.0		
GE 30	67.6	68.8	83.6	97.0			
GE 25	86.6	90.5	94.2	100.0			
GE 20	93.5	95.5	99.8				
GE 15	97.0	100.0	100.0				
GE 10	98.7						
GE 5	99.8						
GE 0							
GE -5	100.0						
MEAN	32.3	33.0	35.1	39.1	43.9	49.9	52.9
SD	8.057	7.154	6.172	5.254	5.074	4.764	4.336
TOTAL OBS	537	494	548	532	544	492	521

PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

RAF FAIRFORD UK — PERIOD OF RECORD: 52-55, 58-64, 79-

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
			.2					.0
	1.8	5.6	8.7	1.6	.6			1.5
1.8	16.3	35.5	36.0	14.0	6.7	.6	.2	9.2
13.8	54.7	79.8	77.9	47.8	22.9	7.0	3.0	25.6
50.2	89.0	98.1	97.7	79.6	52.5	24.8	13.3	45.2
78.7	97.6	99.8	99.6	93.8	75.9	43.6	27.7	59.6
96.3	99.6	100.0	100.0	99.6	92.9	72.7	55.0	77.5
98.7	100.0			100.0	96.3	82.0	64.7	83.6
100.0					98.6	90.6	78.7	90.4
					100.0	98.2	91.8	96.8
						99.8	97.0	98.8
						100.0	99.4	99.7
							99.6	99.9
								100.0
							100.0	100.0
								100.0
43.9	49.9	52.9	53.0	48.8	44.4	38.9	35.2	42.2
5.074	4.764	4.336	4.699	5.533	6.625	7.033	8.023	9.580
544	492	521	520	515	510	488	502	6203

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE
FROM SUMMARY OF DAY

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL
GE 75							1.2
GE 70					.2	2.2	6.1
GE 65					1.1	10.2	23.4
GE 60				.2	8.3	35.8	67.9
GE 55		.2		6.8	27.6	81.1	98.3
GE 50	2.2	3.4	7.1	31.4	68.7	97.2	100.0
GE 45	16.2	20.2	32.8	70.5	95.2	100.0	
GE 40	41.9	43.9	64.8	93.8	100.0		
GE 35	66.9	68.6	90.7	99.8			
GE 30	86.0	90.9	99.3	100.0			
GE 25	95.3	98.0	100.0				
GE 20	98.0	100.0					
GE 15	99.3						
GE 10	99.8						
GE 5	100.0						
MEAN	37.2	38.3	41.7	47.0	52.1	58.4	61.7
SD	7.256	6.686	5.293	4.851	4.822	4.748	4.496
TOTAL OBS	537	494	548	532	544	492	521

AN

ENTAGE OF OCCURRENCE OF MEAN TEMPERATURES
FROM SUMMARY OF DAY DATA

FAIRFORD UK PERIOD OF RECORD: 52-55, 58-64, 79-

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
		1.2						.1
.2	2.2	6.1	3.7	.2				1.0
1.1	10.2	23.4	22.1	2.9	.6			5.0
8.3	35.8	67.9	59.4	28.3	6.7			17.2
7.6	81.1	98.3	96.5	69.9	25.5	2.9	1.2	34.0
8.7	97.2	100.0	100.0	95.0	61.8	20.9	9.2	49.7
15.2	100.0			99.8	92.0	47.7	28.3	66.9
10.0				100.0	99.6	79.5	58.6	81.9
					100.0	95.7	79.9	91.8
						99.2	92.4	97.3
						99.8	98.8	99.3
						100.0	99.4	99.8
							99.8	99.9
							100.0	100.0
								100.0
42.1	58.4	61.7	61.2	56.8	51.2	44.4	40.2	49.2
.822	4.748	4.496	4.235	4.499	5.199	5.861	7.029	10.170
544	492	521	520	515	510	488	502	6203

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

WHOLE DEGREES FAHRE
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL
52						*83	89
53	54	60	69	67	85	82	76
54	55	54	60	61	76	72	71
55	53	52	56	65	67	74	86
58	55	57	55	70	75	74	82
59	51	61	60	66	78	75	85
60	54	60	58	65	74	81	70
61	52	58	67	62	72	84	81
62	53	52	57	68	65	74	78
63	39	42	57	64	76	78	79
64	53	55	56	67	*74		
79							
80	*48	*55	*57	*70	*77	*84	*82
81	*52	*52	57	70	*70	73	79
82	*52	54	59	63	77	82	81
83	*55	54	57	61	66	77	90
84	55	52	55	70	70	79	82
85	52	59	55	63	68	73	82
86	52	39	55	57	66	84	82
87	50	57	54	72	72		
MEAN	52.0	54.1	58.1	65.4	72.5	77.5	80.8
S.D.	4.038	6.120	4.145	3.983	5.592	4.257	5.492
TOTAL OBS	537	494	548	532	544	492	521

NOTES * (BASED ON LESS THA
(AT LEAST ONE DAY

VALUES OF MAXIMUM TEMPERATURE
OM DAILY OBSERVATIONS)

ORD UK PERIOD OF RECORD: 52-55, 58-64, 79-87

WHOLE DEGREES FAHRENHEIT

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
	*83	89	76	68	60	57	53	
85	82	76	87	76	67	58	57	87
76	72	71	76	80	67	58	58	80
67	74	86	87	*73				
75	74	82	78	77	63	59	55	82
78	75	85	80	80	77	60	54	85
74	81	70	73	72	66	59	54	81
72	84	81	88	85	68	58	58	88
65	74	78	71	75	65	57	54	78
76	78	79	74	73	68	61	51	79
*74								
				*72	*68	*57	*61	
*77	*84	*82	*75	*73	*63	*57	*54	*84
*70	73	79	81	75	63	61	*52	81
77	82	81	82	79	61	61	*54	82
66	77	90	88	73	68	61	54	90
70	79	82	84	75	63	61	54	84
68	73	82	75	75	79	61	*57	82
66	84	82	72	70	70	57	*57	84
72								
72.5	77.5	80.8	79.5	75.5	67.0	59.3	54.7	82.7
.592	4.257	5.492	5.967	4.291	5.305	1.668	2.149	3.536
544	492	521	520	515	510	488	502	6203

TES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM T
(FROM DAILY OBSERVATION

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

WHOLE DEGREES F

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL
52						*39	44
53	24	22	23	31	37	42	47
54	15	18	26	29	34	43	44
55	14	17	22	32	34	39	46
58	15	27	21	27	37	44	46
59	19	25	33	34	35	44	44
60	22	25	31	31	38	45	45
61	27	34	26	37	34	42	43
62	5	25	19	31	32	34	42
63	5	16	21	30	31	45	44
64	17	20	26	27	*36		
79							
80	*21	*28	*25	*30	*34	*43	*45
81	*27	*19	32	30	*34	41	43
82	*-2	19	27	28	30	41	46
83	*25	21	28	28	37	45	46
84	21	21	28	25	30	37	39
85	18	16	21	30	34	37	45
86	21	16	21	28	34	39	45
87	12	19	21	32	32		
MEAN	16.8	21.3	25.1	30.0	33.9	41.2	44.3
S.D.	6.447	4.909	4.351	2.872	2.576	3.385	1.957
TOTAL OBS	537	494	548	532	544	492	521

NOTES * (BASED ON LESS
(AT LEAST ONE D

EME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

IRFORD UK PERIOD OF RECORD: 52-55, 58-64, 79-87

WHOLE DEGREES FAHRENHEIT

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
	*39	44	46	35	27	24	17	
37	42	47	45	42	30	32	32	22
34	43	44	45	35	28	25	26	15
34	39	46	44	*39				
37	44	46	46	42	37	31	29	15
35	44	44	45	35	34	21	27	19
38	45	45	43	39	31	28	25	22
34	42	43	45	38	29	25	14	14
32	34	42	43	33	27	23	17	5
31	45	44	43	38	36	29	17	5
*36								
				*39	*37	*21	*30	
*34	*43	*45	*43	*41	*30	*30	*21	*21
*34	41	43	45	43	28	28	*0	*0
30	41	46	37	36	34	25	*25	*-2
37	45	46	45	39	27	16	19	16
30	37	39	45	41	30	30	27	21
34	37	45	46	37	34	25	*19	16
34	39	45	41	34	30	30	*28	16
32								
33.9	41.2	44.3	44.0	37.8	30.8	26.1	22.7	15.3
2.576	3.385	1.957	2.309	3.167	3.385	4.240	6.051	6.614
544	492	521	520	515	510	488	502	6203

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL
	MEAN	38.2	35.7	38.7	41.7	46.1	52.9	57.1
00-02	SD	8.350	7.185	6.017	5.550	4.697	5.344	5.050
	TOT OBS	752	733	764	757	760	688	684
	MEAN	37.4	35.0	37.8	40.2	44.5	51.0	54.8
03-05	SD	8.553	7.332	6.241	5.833	5.040	5.163	5.115
	TOT OBS	757	737	764	756	765	698	713
	MEAN	37.1	35.0	38.2	42.1	47.8	54.7	58.4
06-08	SD	8.587	7.321	6.250	5.704	4.577	4.883	4.646
	TOT OBS	815	772	837	827	842	742	765
	MEAN	38.6	37.4	42.4	48.3	53.4	60.8	65.2
09-11	SD	8.177	6.707	5.275	5.725	5.181	6.498	5.816
	TOT OBS	836	776	852	829	847	748	781
	MEAN	41.3	40.7	45.6	52.0	56.7	64.7	69.5
12-14	SD	7.455	6.323	5.020	6.914	6.128	7.466	6.975
	TOT OBS	834	775	847	818	837	741	766
	MEAN	40.7	41.0	45.6	52.2	57.0	65.2	70.2
15-17	SD	7.371	6.241	4.851	7.384	6.171	7.629	7.388
	TOT OBS	827	774	840	621	835	745	762
	MEAN	38.4	38.0	42.6	48.5	53.5	61.4	66.5
18-20	SD	7.770	6.400	4.817	6.552	5.429	6.731	6.395
	TOT OBS	697	659	714	674	712	601	604
	MEAN	37.4	35.8	39.9	43.7	48.7	55.8	60.3
21-23	SD	8.389	6.901	5.244	5.559	4.652	5.540	5.113
	TOT OBS	600	565	666	683	704	619	627
	MEAN	38.7	37.4	41.4	46.2	51.1	58.4	62.9
ALL HOURS	SD	8.211	7.185	6.274	7.660	6.955	8.085	8.108
	TOT OBS	6120	5811	6284	6165	6302	5582	5702

MPERATURES DEG F FROM OBSERVATIONS — MEANS AND STANDARD DEVIATIONS

FORD UK — PERIOD OF RECORD: 74-76,79-87

G	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
.8	46.1	52.9	57.1	56.8	52.5	48.1	43.0	39.8	45.6
77	4.697	5.344	5.050	4.777	5.034	6.867	7.250	7.946	9.500
95	760	688	684	695	705	753	809	775	8875
.7	44.5	51.0	54.8	54.7	51.1	47.2	42.6	39.4	44.5
18	5.040	5.163	5.115	5.118	5.547	6.934	7.366	8.121	9.268
11	765	698	713	711	731	764	818	782	8996
.1	47.8	54.7	58.4	57.1	52.2	47.5	42.6	39.5	45.8
95	4.577	4.883	4.646	4.795	5.466	6.892	7.587	8.321	10.017
55	842	742	765	755	753	822	856	821	9607
.3	53.4	60.8	65.2	64.3	58.6	52.0	44.9	41.0	50.3
06	5.181	6.498	5.816	5.106	4.628	5.837	6.938	7.732	11.313
53	847	748	781	763	757	831	878	840	9740
.3	56.7	64.7	69.5	68.3	62.3	55.5	47.8	43.7	53.7
06	6.128	7.466	6.975	6.606	5.061	5.198	5.958	6.494	11.728
50	837	741	766	760	756	828	877	827	9666
.9	57.0	65.2	70.2	68.9	62.4	54.7	46.7	42.8	53.6
91	6.171	7.629	7.388	6.891	5.260	5.211	5.858	6.605	12.090
50	835	745	762	750	754	829	880	818	9635
.0	53.5	61.4	66.5	64.0	58.2	51.0	44.5	40.9	50.1
.9	5.429	6.731	6.395	5.959	4.881	5.842	6.489	7.452	11.430
12	712	601	604	602	574	640	703	690	7870
1	48.7	55.8	60.3	59.1	54.1	48.8	43.8	39.7	47.3
4	4.652	5.540	5.113	4.924	4.716	6.421	7.264	8.066	10.150
4	704	619	627	614	586	625	579	582	7470
8	51.1	58.4	62.9	61.8	56.5	50.7	44.5	40.9	48.9
4	6.955	8.085	8.108	7.614	6.718	6.900	7.088	7.750	11.293
0	6302	5582	5702	5650	5616	6092	6400	6135	71859

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION NUMBER: 03644O STATION NAME: RAF FAIRFORD UK

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL
00-02	MEAN	36.2	34.0	36.6	39.5	43.9	50.5	54.3
	SD	8.155	7.242	5.954	5.471	4.794	5.285	4.959
	TOT OBS	752	733	764	757	760	688	684
03-05	MEAN	35.6	33.4	35.9	38.3	42.6	48.9	52.7
	SD	8.305	7.306	6.091	5.763	5.048	5.144	5.057
	TOT OBS	757	737	764	755	765	698	713
06-08	MEAN	35.4	33.5	36.4	40.0	45.2	51.7	55.2
	SD	8.351	7.361	6.080	5.450	4.418	4.601	4.286
	TOT OBS	815	771	836	826	841	742	763
09-11	MEAN	36.7	35.4	39.6	44.2	48.5	54.9	58.5
	SD	7.933	6.760	5.210	5.140	4.280	5.140	4.280
	TOT OBS	838	776	852	829	847	748	778
12-14	MEAN	38.7	37.7	41.5	46.0	50.0	56.6	60.1
	SD	7.258	6.419	4.969	5.603	4.608	5.302	4.602
	TOT OBS	834	775	847	818	837	741	763
15-17	MEAN	38.2	37.9	41.4	46.0	50.1	57.0	60.4
	SD	7.222	6.456	4.868	5.769	4.665	5.269	4.597
	TOT OBS	827	774	840	821	835	744	762
18-20	MEAN	36.2	35.6	39.3	43.9	48.5	55.3	59.0
	SD	7.610	6.721	5.005	5.510	4.673	5.148	4.655
	TOT OBS	697	659	714	674	712	601	604
21-23	MEAN	35.3	33.7	37.4	40.9	45.7	52.5	56.2
	SD	8.148	7.033	5.385	5.287	4.698	5.142	4.649
	TOT OBS	600	585	660	683	704	619	627
ALL HOURS	MEAN	36.6	35.2	38.6	42.4	46.9	53.5	57.1
	SD	7.957	7.131	5.866	6.198	5.355	5.837	5.350
	TOT OBS	6120	5810	6283	6163	6301	5581	5694

ERATURES DEG F FROM
OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

FORD UK

PERIOD OF RECORD: 74-76,79-87

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
43.9	50.5	54.3	54.1	50.4	46.2	41.1	37.9	43.5
4.794	5.285	4.959	4.762	5.237	6.644	7.076	7.706	9.257
760	688	684	695	705	753	809	775	8875
42.6	48.9	52.7	52.6	49.3	45.4	40.7	37.6	42.6
5.048	5.144	5.057	5.086	5.645	6.752	7.238	7.815	9.129
765	698	713	711	731	764	817	782	8994
45.2	51.7	55.2	54.5	50.3	45.7	40.7	37.7	43.6
4.418	4.601	4.286	4.609	5.476	6.700	7.401	8.012	9.578
841	742	763	755	753	822	855	821	9600
48.5	54.9	58.5	58.1	54.4	49.1	42.6	39.0	46.5
4.280	5.140	4.280	3.990	4.202	5.398	6.814	7.514	9.746
847	748	778	763	756	831	878	840	9736
50.0	56.6	60.1	59.5	55.8	51.2	44.7	41.1	48.3
4.608	5.302	4.602	4.430	4.346	4.818	5.955	6.474	9.426
837	741	763	760	755	828	877	827	9662
50.1	57.0	60.4	59.5	55.7	50.5	43.9	40.4	48.1
4.665	5.269	4.597	4.400	4.568	4.882	5.935	6.556	9.591
835	744	762	750	754	825	880	818	9630
48.5	55.3	59.0	57.4	53.8	48.1	42.2	38.7	46.0
4.673	5.148	4.655	4.509	4.703	5.777	6.583	7.318	9.832
712	60.	604	602	574	639	703	690	7869
45.7	52.5	56.2	55.1	51.4	46.5	41.6	37.6	44.5
4.698	5.142	4.649	4.587	4.996	6.310	7.280	7.877	9.607
704	619	627	614	586	625	579	582	7470
46.9	53.5	57.1	56.4	52.7	47.9	42.2	38.8	45.5
5.355	5.637	5.350	5.199	5.507	6.309	6.924	7.515	9.743
6301	5581	5694	5650	5614	6087	6398	6135	71836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL
00-02	MEAN	33.2	30.8	33.5	36.6	41.3	48.3	52.1
	SD	9.205	8.700	6.922	6.283	5.591	6.028	5.532
	TOT OBS	752	733	764	757	760	688	684
03-05	MEAN	32.5	30.3	33.0	35.8	40.4	47.0	51.0
	SD	9.322	8.683	6.974	6.496	5.794	5.791	5.493
	TOT OBS	757	737	764	755	765	698	713
06-08	MEAN	32.5	30.4	33.6	37.2	42.5	49.0	52.8
	SD	9.384	8.821	6.926	6.097	5.219	5.336	4.812
	TOT OBS	815	771	836	826	841	742	763
09-11	MEAN	33.6	32.2	35.9	39.3	43.4	49.9	53.5
	SD	8.910	8.237	6.448	6.351	5.344	6.117	5.370
	TOT OBS	838	776	852	829	847	748	778
12-14	MEAN	35.0	33.4	36.2	39.2	43.4	50.1	53.3
	SD	8.405	8.342	6.850	6.765	5.834	6.421	5.728
	TOT OBS	834	775	847	818	837	741	763
15-17	MEAN	34.5	33.2	35.8	39.0	43.3	50.4	53.2
	SD	8.446	8.624	6.983	6.731	6.017	6.313	5.440
	TOT OBS	827	774	840	821	835	744	762
18-20	MEAN	32.9	31.5	34.8	38.6	43.2	50.4	53.4
	SD	8.677	8.683	6.722	6.395	5.974	5.959	5.555
	TOT OBS	697	659	714	674	712	601	604
21-23	MEAN	32.1	29.9	33.8	37.3	42.4	49.5	53.0
	SD	9.165	8.625	6.729	6.185	5.766	5.938	5.328
	TOT OBS	600	585	666	683	704	619	627
ALL HOURS	MEAN	33.3	31.5	34.6	37.9	42.5	49.3	52.8
	SD	8.982	8.674	6.923	6.539	5.781	6.099	5.464
	TOT OBS	6120	5810	6283	6163	6301	5581	5694

ERATURES DEG F FROM MEANS AND STANDARD DEVIATIONS
SERVATIONS

ORD UK PERIOD OF RECORD: 74-76,79-87

UC	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1.	41.3	48.3	52.1	51.8	48.5	44.2	38.7	35.1	40.9
39	5.591	6.028	5.532	5.397	5.983	7.127	7.783	8.537	10.086
69	760	688	684	695	705	753	809	775	8875
0.	40.4	47.0	51.0	50.7	47.6	43.6	38.4	34.9	40.2
55	5.794	5.791	5.493	5.550	6.253	7.266	8.020	8.666	10.015
71	765	698	713	711	731	764	817	782	8994
2.	42.5	49.0	52.8	52.3	48.6	43.9	38.3	35.1	41.1
06	5.219	5.336	4.812	5.061	6.083	7.178	8.171	8.842	10.282
75	841	742	763	755	753	822	855	821	9600
3.	43.4	49.9	53.5	53.4	50.9	46.4	40.0	36.3	42.7
07	5.344	6.117	5.370	5.072	5.254	5.968	7.651	8.397	9.957
76	847	748	778	763	756	831	878	840	9736
3.	43.4	50.1	53.3	53.0	50.4	47.3	41.0	37.8	43.1
58	5.834	6.421	5.728	5.588	5.929	5.873	7.147	7.570	9.638
76	837	741	763	760	755	828	877	827	9662
2.	43.3	50.4	53.2	52.6	50.1	46.6	40.5	37.2	42.8
69	6.017	6.313	5.440	5.694	6.203	6.056	7.108	7.637	9.742
75	835	744	762	750	754	825	880	818	9630
2.	43.2	50.4	53.4	52.4	49.9	45.1	39.3	35.7	41.8
54	5.974	5.959	5.555	5.546	5.910	6.645	7.612	8.306	10.199
80	712	601	604	602	574	639	703	690	7869
1.	42.4	49.5	53.0	51.9	48.9	44.0	38.7	34.6	41.4
25	5.766	5.938	5.328	5.258	5.969	6.987	8.238	8.873	10.404
61	704	619	627	614	586	625	579	582	7470
2.	42.5	49.3	52.8	52.3	49.4	45.2	39.4	35.9	41.8
45	5.781	6.099	5.464	5.451	6.048	6.775	7.760	8.411	10.075
65	6301	5581	5694	5650	5614	6087	6398	6135	71836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY O
FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMI						D
		10%	20%	30%	40%	50%	60%	
JAN	00-02	100.0	100.0	100.0	100.0	100.0	98.4	8
	03-05	100.0	100.0	100.0	100.0	100.0	98.0	8
	06-08	100.0	100.0	100.0	100.0	100.0	98.9	8
	09-11	100.0	100.0	100.0	100.0	99.5	98.2	8
	12-14	100.0	100.0	100.0	99.9	99.5	94.4	7
	15-17	100.0	100.0	100.0	99.8	99.4	95.0	7
	18-20	100.0	100.0	100.0	100.0	100.0	98.7	8
	21-23	100.0	100.0	100.0	100.0	100.0	98.2	8
	TOTALS	100.0	100.0	100.0	100.0	99.8	97.5	8

PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY
HOURLY OBSERVATIONS

IRFORD UK PERIOD OF RECORD: 75-76,80-87
MONTH: JAN

	FREQUENCY OF RELATIVE HUMIDITY GREATER THAN					MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
	50%	60%	70%	80%	90%		
	100.0	98.4	88.3	58.8	21.0	82.2	752
	100.0	98.0	87.7	59.2	20.2	82.4	757
	100.0	98.9	89.1	64.7	25.0	83.5	815
	99.5	98.2	86.9	59.9	23.9	82.5	838
	99.5	94.4	78.2	44.4	13.2	78.9	834
	99.4	95.0	76.3	46.2	11.0	78.6	827
	100.0	98.7	83.8	49.5	14.8	80.6	697
	100.0	98.2	88.2	55.7	16.0	81.4	600
	99.8	97.5	84.8	54.8	18.1	81.3	6120

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMID						
		10%	20%	30%	40%	50%	60%	
FEB	00-02	100.0	100.0	100.0	100.0	100.0	99.0	8
	03-05	100.0	100.0	100.0	100.0	100.0	98.4	8
	06-08	100.0	100.0	100.0	100.0	100.0	98.6	8
	09-11	100.0	100.0	100.0	100.0	99.6	97.4	7
	12-14	100.0	100.0	100.0	99.4	96.9	87.4	6
	15-17	100.0	100.0	100.0	98.6	96.6	85.4	5
	18-20	100.0	100.0	100.0	99.8	99.2	92.6	6
	21-23	100.0	100.0	100.0	100.0	100.0	97.8	7
	TOTALS	100.0	100.0	100.0	99.7	99.0	94.6	7

VE PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

FAIRFORD UK PERIOD OF RECORD: 75-76,80-87
MONTH: FEB

FREQUENCY OF RELATIVE HUMIDITY GREATER THAN						MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
40%	50%	60%	70%	80%	90%		
00.0	100.0	99.0	85.1	58.8	24.8	82.6	733
00.0	100.0	98.4	87.2	59.2	26.9	83.0	737
00.0	100.0	98.6	85.7	61.6	29.6	83.5	771
00.0	99.6	97.4	79.8	57.2	25.5	82.0	776
99.4	96.9	87.4	62.2	40.5	15.7	76.0	775
98.6	96.6	85.4	59.8	36.2	11.9	74.6	774
99.8	99.2	92.6	69.7	45.5	14.1	77.9	659
00.0	100.0	97.8	76.4	45.6	13.8	79.3	585
99.7	99.0	94.6	75.7	50.6	20.3	79.9	5810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCC
FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY C						
		10%	20%	30%	40%	50%	60%	70%
MAR	00-02	100.0	100.0	100.0	100.0	100.0	98.7	86.1
	03-05	100.0	100.0	100.0	100.0	100.0	99.6	88.5
	06-08	100.0	100.0	100.0	100.0	100.0	99.0	89.5
	09-11	100.0	100.0	100.0	100.0	99.5	92.3	71.8
	12-14	100.0	100.0	100.0	99.1	92.1	75.7	48.5
	15-17	100.0	100.0	99.8	99.0	90.5	70.7	47.9
	18-20	100.0	100.0	100.0	99.9	98.3	87.3	59.2
	21-23	100.0	100.0	100.0	100.0	100.0	97.7	76.4
	TOTALS	100.0	100.0	100.0	99.8	97.6	90.1	71.0

CENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY
OURLY OBSERVATIONS

ORD UK PERIOD OF RECORD: 75-76,80-87
MONTH: MAR

Y OF RELATIVE HUMIDITY GREATER THAN					MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
50%	60%	70%	80%	90%		
100.0	98.7	86.1	57.7	19.1	81.9	764
100.0	99.6	88.5	59.7	22.1	82.7	764
100.0	99.0	89.5	63.3	28.7	83.8	836
99.5	92.3	71.8	44.4	16.3	78.3	852
92.1	75.7	48.5	24.1	6.8	70.4	847
90.5	70.7	47.9	22.9	8.2	69.7	840
98.3	87.3	59.2	31.7	6.7	74.6	714
100.0	97.7	76.4	45.5	9.8	79.0	666
97.6	90.1	71.0	43.7	14.7	77.6	6283

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OC(
FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY						
		10%	20%	30%	40%	50%	60%	70%
APR	00-02	100.0	100.0	100.0	100.0	100.0	98.7	88.0
	03-05	100.0	100.0	100.0	100.0	100.0	99.6	91.5
	06-08	100.0	100.0	100.0	100.0	99.9	98.8	89.7
	09-11	100.0	100.0	100.0	99.3	95.5	81.2	56.7
	12-14	100.0	100.0	99.3	96.9	82.3	55.4	31.1
	15-17	100.0	100.0	99.6	95.5	77.2	51.9	32.9
	18-20	100.0	100.0	100.0	99.0	91.7	74.9	49.9
	21-23	100.0	100.0	100.0	100.0	99.7	95.0	75.7
	TOTALS	100.0	100.0	99.9	98.8	93.3	81.9	64.4

PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

FAIRFORD UK PERIOD OF RECORD: 75-76,80-87
MONTH: APR

FREQUENCY OF RELATIVE HUMIDITY GREATER THAN						MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
40%	50%	60%	70%	80%	90%		
0.0	100.0	98.7	88.0	58.9	22.5	82.6	757
0.0	100.0	99.6	91.5	67.7	27.9	84.4	755
0.0	99.9	98.8	89.7	61.7	23.4	83.2	826
0.3	95.5	81.2	56.7	25.2	6.5	72.0	829
0.9	82.3	55.4	31.1	10.9	2.1	63.2	818
0.5	77.2	51.9	32.9	11.4	2.3	62.3	821
0.3	91.7	74.9	49.9	20.8	4.5	69.7	674
0.0	99.7	95.0	75.7	41.3	12.0	78.5	683
0.8	93.3	81.9	64.4	37.2	12.7	74.5	6163

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF (
FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY						
		10%	20%	30%	40%	50%	60%	70%
MAY	00-02	100.0	100.0	100.0	100.0	100.0	99.6	93.6
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	95.4
	06-08	100.0	100.0	100.0	100.0	99.5	97.6	90.7
	09-11	100.0	100.0	100.0	99.5	94.0	77.9	53.7
	12-14	100.0	100.0	100.0	95.6	81.1	52.9	29.7
	15-17	100.0	100.0	99.9	93.7	77.4	50.9	29.2
	18-20	100.0	100.0	100.0	98.7	93.4	77.2	48.5
	21-23	100.0	100.0	100.0	100.0	99.7	97.6	84.8
	TOTALS	100.0	100.0	100.0	98.4	93.1	81.7	65.7

ULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

RAF FAIRFORD UK

PERIOD OF RECORD: 75-76,80-87
MONTH: MAY

HR	CUMULATIVE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN						MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
	40%	50%	60%	70%	80%	90%		
0	100.0	100.0	99.6	93.6	60.1	21.3	83.3	760
9	100.0	100.0	99.5	95.4	69.9	27.8	85.4	765
6	100.0	99.5	97.6	90.7	56.5	18.9	82.1	841
8	99.5	94.0	77.9	53.7	18.3	3.5	69.7	847
9	95.6	81.1	52.9	29.7	9.9	1.9	62.5	837
8	93.7	77.4	50.9	29.2	8.7	1.9	61.6	835
7	98.7	93.4	77.2	48.5	17.1	3.1	69.1	712
1	100.0	99.7	97.6	84.8	41.6	9.9	79.0	704
5	98.4	93.1	81.7	65.7	35.3	11.0	74.1	6301

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMID						
		10%	20%	30%	40%	50%	60%	
JUN	00-02	100.0	100.0	100.0	100.0	99.9	99.0	9
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	9
	06-08	100.0	100.0	100.0	100.0	99.7	98.4	8
	09-11	100.0	100.0	99.7	98.3	92.9	72.5	4
	12-14	100.0	100.0	98.4	92.8	79.4	45.9	2
	15-17	100.0	99.6	97.7	93.4	75.0	44.2	2
	18-20	100.0	100.0	100.0	98.5	91.7	69.4	4
	21-23	100.0	100.0	100.0	100.0	99.8	95.6	8
	TOTALS	100.0	100.0	99.5	97.9	92.3	78.1	6

IVE PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

F FAIRFORD UK PERIOD OF RECORD: 75-76,80-86
MONTH: JUN

FREQUENCY OF RELATIVE HUMIDITY GREATER THAN						MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
40%	50%	60%	70%	80%	90%		
100.0	99.9	99.0	94.9	66.0	28.8	84.7	688
100.0	100.0	100.0	96.6	72.3	36.0	86.3	698
100.0	99.7	98.4	86.4	52.7	21.0	81.5	742
98.3	92.9	72.5	43.7	20.2	6.0	68.5	748
92.8	79.4	45.9	26.2	9.7	2.8	60.9	741
93.4	75.0	44.2	27.6	10.5	3.1	60.7	744
98.5	91.7	69.4	45.8	20.6	6.5	68.6	601
100.0	99.8	95.6	83.2	43.9	19.5	80.0	619
97.9	92.3	78.1	63.1	37.0	15.5	73.9	5581

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDI						
		10%	20%	30%	40%	50%	60%	7
JUL	00-02	100.0	100.0	100.0	100.0	100.0	99.0	93
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98
	06-08	100.0	100.0	100.0	100.0	100.0	98.3	88
	09-11	100.0	100.0	99.7	97.9	90.1	66.8	41
	12-14	100.0	100.0	98.7	90.4	70.6	38.4	18
	15-17	100.0	100.0	97.9	87.7	66.4	33.6	16
	18-20	100.0	100.0	99.7	96.7	85.8	59.4	33
	21-23	100.0	100.0	100.0	100.0	99.7	93.9	78
	TOTALS	100.0	100.0	99.5	96.6	89.1	73.7	58

VE PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

FAIRFORD UK PERIOD OF RECORD: 75-76,80-86
MONTH: JUL

FREQUENCY OF RELATIVE HUMIDITY GREATER THAN						MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
40%	50%	60%	70%	80%	90%		
00.0	100.0	99.0	93.6	60.6	24.9	83.7	684
00.0	100.0	100.0	98.3	74.8	36.9	86.8	713
00.0	100.0	98.3	88.3	56.2	21.8	82.2	763
97.9	90.1	66.8	41.3	15.6	4.2	67.2	778
90.4	70.6	38.4	18.2	5.4	1.7	58.0	763
87.7	66.4	33.6	16.8	5.8	2.0	56.6	762
96.7	85.8	59.4	33.8	9.3	2.5	64.1	604
00.0	99.7	93.9	78.0	37.2	9.7	77.4	627
96.6	89.1	73.7	58.5	33.1	13.0	72.0	5694

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OC
FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY						
		10%	20%	30%	40%	50%	60%	70%
AUG	00-02	100.0	100.0	100.0	100.0	100.0	99.1	94.1
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	98.2
	06-08	100.0	100.0	100.0	100.0	100.0	99.3	94.3
	09-11	100.0	100.0	99.9	98.2	93.6	74.0	46.0
	12-14	100.0	100.0	98.2	92.6	74.1	41.7	22.5
	15-17	100.0	100.0	97.6	88.3	67.6	37.2	22.1
	18-20	100.0	100.0	99.8	97.5	89.2	66.4	42.7
	21-23	100.0	100.0	100.0	100.0	99.3	94.1	80.8
	TOTALS	100.0	100.0	99.4	97.1	90.5	76.4	62.6

ULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

RAF FAIRFORD UK

PERIOD OF RECORD: 75-76,80-86
MONTH: AUG

GE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN						MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
%	40%	50%	60%	70%	80%	90%		
0	100.0	100.0	99.1	94.1	60.3	18.6	83.3	695
0	100.0	100.0	99.7	98.2	73.6	32.6	86.3	711
0	100.0	100.0	99.3	94.3	61.1	25.6	84.1	755
9	98.2	93.6	74.0	46.0	16.8	4.5	68.8	763
2	92.6	74.1	41.7	22.5	9.7	2.5	59.8	760
6	88.3	67.6	37.2	22.1	8.9	2.5	58.1	750
8	97.5	89.2	66.4	42.7	16.1	5.3	67.2	602
0	100.0	99.3	94.1	80.8	36.2	8.1	77.5	614
4	97.1	90.5	76.4	62.6	35.3	12.5	73.1	5650

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF O
FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY						
		10%	20%	30%	40%	50%	60%	70%
SEP	00-02	100.0	100.0	100.0	100.0	100.0	99.9	97.0
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.2
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.0
	09-11	100.0	100.0	100.0	99.9	98.9	89.6	68.8
	12-14	100.0	100.0	100.0	98.8	88.5	61.9	40.4
	15-17	100.0	100.0	100.0	97.6	85.7	62.1	38.6
	18-20	100.0	100.0	100.0	99.8	98.3	88.2	70.6
	21-23	100.0	100.0	100.0	100.0	100.0	99.8	92.8
	TOTALS	100.0	100.0	100.0	99.5	96.4	87.7	75.0

NCIERCENTAGE FREQUENCY OF OCCURRENCE — RELATIVE HUMIDITY
HOURLY OBSERVATIONS

RFORD UK — PERIOD OF RECORD: 75-76,80-86
MONTH: SEP

ERNCY OF RELATIVE HUMIDITY GREATER THAN					MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
0%	50%	60%	70%	80%	90%		
.9	100.0	99.9	97.0	73.9	34.3	86.3	705
.8	100.0	100.0	98.2	79.8	42.7	87.9	731
.6	100.0	100.0	98.0	76.6	41.0	87.5	753
.4	98.9	89.6	68.8	37.4	12.6	76.3	756
.7	88.5	61.9	40.4	14.7	4.1	66.2	755
.3	85.7	62.1	38.6	13.3	3.8	65.5	754
.7	98.3	88.2	70.6	30.7	5.2	74.7	574
.7	100.0	99.8	92.8	58.7	19.3	82.8	586
.1	96.4	87.7	75.6	48.1	20.4	78.4	5614

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCC
FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY G						
		10%	20%	30%	40%	50%	60%	70%
OCT	00-02	100.0	100.0	100.0	100.0	100.0	99.5	95.8
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	96.5
	06-08	100.0	100.0	100.0	100.0	100.0	99.1	96.5
	09-11	100.0	100.0	100.0	100.0	99.4	97.2	89.3
	12-14	100.0	100.0	100.0	99.9	97.6	89.6	68.1
	15-17	100.0	100.0	100.0	100.0	98.2	91.2	69.1
	18-20	100.0	100.0	100.0	100.0	99.7	97.7	89.4
	21-23	100.0	100.0	100.0	100.0	99.8	9.4	93.6
	TOTALS	100.0	100.0	100.0	100.0	99.3	96.7	87.3

PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY
OM HOURLY OBSERVATIONS

AIRFORD UK PERIOD OF RECORD: 75-76,79-86
MONTH: OCT

UENCY OF RELATIVE HUMIDITY GREATER THAN					MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
0%	50%	60%	70%	80%	90%		
.0	100.0	99.5	95.8	76.0	33.7	86.3	753
.0	100.0	99.5	96.5	77.1	38.0	87.2	764
.0	100.0	99.1	96.5	79.1	37.0	87.3	822
.0	99.4	97.2	89.3	52.2	20.7	81.6	831
.9	97.6	89.6	68.1	27.4	6.6	74.5	828
.0	98.2	91.2	69.1	29.9	8.5	75.0	825
.0	99.7	97.7	89.4	46.6	12.1	80.4	639
.0	99.8	99.4	93.6	65.0	18.1	83.4	625
.0	99.3	96.7	87.3	56.7	21.8	82.0	6087

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDI						
		10%	20%	30%	40%	50%	60%	7
NOV	00-02	100.0	100.0	100.0	100.0	100.0	99.6	91
	03-05	100.0	100.0	100.0	100.0	100.0	99.0	90
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	89
	09-11	100.0	100.0	100.0	100.0	99.9	97.6	87
	12-14	100.0	100.0	100.0	100.0	99.4	93.2	75
	15-17	100.0	100.0	100.0	100.0	99.7	94.4	79
	18-20	100.0	100.0	100.0	100.0	100.0	98.4	85
	21-23	100.0	100.0	100.0	100.0	100.0	98.8	87
	TOTALS	100.0	100.0	100.0	100.0	99.9	97.6	85

LATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS — RELATIVE HUMIDITY

PAF FAIRFORD UK — PERIOD OF RECORD: 74-76,79-86
MONTH: NOV

FREQUENCY OF RELATIVE HUMIDITY GREATER THAN						MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
40%	50%	60%	70%	80%	90%		
100.0	100.0	99.6	91.5	67.6	32.3	85.1	809
100.0	100.0	99.0	90.1	66.5	35.3	85.1	817
100.0	100.0	99.4	89.9	68.8	33.1	85.2	855
100.0	99.9	97.6	87.9	61.6	26.5	83.2	878
100.0	99.4	93.2	75.0	40.3	16.8	78.0	877
100.0	99.7	94.4	79.1	47.8	15.7	79.6	880
100.0	100.0	98.4	85.9	60.0	19.9	82.3	703
100.0	100.0	98.8	87.6	59.8	17.6	82.2	579
100.0	99.9	97.6	85.9	59.1	24.7	82.6	6398

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY O
FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMID						
		10%	20%	30%	40%	50%	60%	
DEC	00-02	100.0	100.0	100.0	100.0	100.0	99.0	8
	03-05	100.0	100.0	100.0	100.0	100.0	99.9	8
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	9
	09-11	100.0	100.0	100.0	100.0	100.0	98.7	8
	12-14	100.0	100.0	100.0	100.0	100.0	95.0	81
	15-17	100.0	100.0	100.0	100.0	100.0	96.7	84
	18-20	100.0	100.0	100.0	100.0	99.9	97.8	86
	21-23	100.0	100.0	100.0	100.0	100.0	98.5	87
	TOTALS	100.0	100.0	100.0	100.0	100.0	98.2	86

RMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

: RAF FAIRFORD UK PERIOD OF RECORD: 74-76,79-86
MONTH: DEC

AGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN						MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
%	40%	50%	60%	70%	80%	90%		
6.0	100.0	100.0	99.0	88.3	62.6	30.1	83.8	775
6.0	100.0	100.0	99.9	88.5	60.1	32.2	84.0	782
6.0	100.0	100.0	100.0	90.6	63.0	32.5	84.5	821
6.0	100.0	100.0	98.7	88.5	61.3	27.1	83.5	840
4.0	100.0	100.0	95.0	81.3	47.5	17.7	80.0	827
5.0	100.0	100.0	96.7	84.0	51.8	18.2	81.0	818
5.0	100.0	99.9	97.8	86.1	57.5	17.8	82.0	690
5.0	100.0	100.0	98.5	87.8	58.1	20.8	82.2	582
5.0	100.0	100.0	98.2	86.9	57.7	24.6	82.6	6135

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF O
FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY						
		10%	20%	30%	40%	50%	60%	70%
JAN	ALL	100.0	100.0	100.0	100.0	99.8	97.5	84.8
FEB		100.0	100.0	100.0	99.7	99.0	94.6	75.7
MAR		100.0	100.0	100.0	99.8	97.6	90.1	71.0
APR		100.0	100.0	99.9	98.8	93.3	81.9	64.4
MAY		100.0	100.0	100.0	98.4	93.1	81.7	65.7
JUN		100.0	100.0	99.5	97.9	92.3	78.1	63.1
JUL		100.0	100.0	99.5	96.6	89.1	73.7	58.5
AUG		100.0	100.0	99.4	97.1	90.5	76.4	62.6
SEP		100.0	100.0	100.0	99.5	96.4	87.7	75.6
OCT		100.0	100.0	100.0	100.0	99.3	96.7	87.7
NOV		100.0	100.0	100.0	100.0	99.9	97.6	85.9
DEC		100.0	100.0	100.0	100.0	100.0	98.2	86.9
	TOTALS	100.0	100.0	99.9	99.0	95.9	87.9	73.

PERCENTAGE FREQUENCY OF OCCURRENCE RELATIVE HUMIDITY
HOURLY OBSERVATIONS

IRFORD UK PERIOD OF RECORD: 74-76,79-87
MONTH: ALL

FREQUENCY OF RELATIVE HUMIDITY GREATER THAN					MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
50%	60%	70%	80%	90%		
99.8	97.5	84.8	54.8	18.1	81.3	6120
99.0	94.6	75.7	50.6	20.3	79.9	5810
97.6	90.1	71.0	43.7	14.7	77.6	6283
93.3	81.9	64.4	37.2	12.7	74.5	6163
93.1	81.7	65.7	35.3	11.0	74.1	6301
92.3	78.1	63.1	37.0	15.5	73.9	5581
89.1	73.7	58.5	33.1	13.0	72.0	5694
90.5	76.4	62.6	35.3	12.5	73.1	5650
96.4	87.7	75.6	48.1	20.4	78.4	5614
99.3	96.7	87.3	56.7	21.8	82.0	6087
99.9	97.6	85.9	59.1	24.7	82.6	6398
100.0	98.2	86.9	57.7	24.6	82.6	6135
95.9	87.9	73.5	45.7	17.4	77.7	71836

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PPPPPPPP          AAAAAA          RRRRRRRR          TTTTTTTTTT          FFFFFFFFFF
PPPPPPPPP        AAAAAAAA         RRRRRRRRR         TTTTTTTTTT          FFFFFFFFFF
PP       PP     AA      AA        RR      RR           TT              FF
PP       PP     AA      AA        RR      RR           TT              FF
PPPPPPPPP       AA      AA        RRRRRRRRR            TT              FFFFFF
PPPPPPPP        AAAAAAAAAA        RRRRRRRR             TT              FFFFFF
PP              AAAAAAAAAA        RR    RR             TT              FF
PP              AA      AA        RR     RR            TT              FF
PP              AA      AA        RR      RR           TT              FF
PP              AA      AA        RR       RR          TT              FF
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PRESSURE SUMMARIES

STATION PRSSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY ANI

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AN

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNT

PRESSURE SUMMARIES

VATIONS.

OUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ARD DEVIATIONS AND OBSERVATION COUNTS.

VATIONS.

OUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION NUMBER: 036440 STATION NAME: RAF FAIRFORD UK

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	
00	MEAN	29.709	29.794	29.634	29.699	29.636	29.749	29.785	2
	SD	.378	.311	.376	.324	.248	.210	.182	
	TOT OBS	199	194	217	212	224	181	186	
03	MEAN	29.710	29.787	29.614	29.689	29.623	29.736	29.772	2
	SD	.373	.312	.383	.324	.250	.212	.188	
	TOT OBS	204	200	217	212	224	181	186	
06	MEAN	29.700	29.775	29.596	29.709	29.626	29.728	29.762	2
	SD	.374	.311	.388	.322	.251	.217	.192	
	TOT OBS	205	207	229	231	235	201	209	
09	MEAN	29.703	29.792	29.605	29.719	29.635	29.738	29.769	2
	SD	.386	.307	.396	.324	.253	.216	.191	
	TOT OBS	227	212	238	230	236	201	211	
12	MEAN	29.699	29.793	29.606	29.711	29.628	29.734	29.761	2
	SD	.393	.303	.393	.322	.250	.212	.186	
	TOT OBS	227	212	236	230	237	201	210	
15	MEAN	29.679	29.768	29.590	29.694	29.621	29.721	29.748	2
	SD	.391	.300	.382	.317	.245	.206	.179	
	TOT OBS	226	212	238	232	236	201	210	
18	MEAN	29.687	29.776	29.600	29.687	29.617	29.715	29.745	2
	SD	.389	.301	.377	.314	.243	.203	.173	
	TOT OBS	223	208	236	229	236	201	206	
21	MEAN	29.710	29.796	29.636	29.696	29.635	29.750	29.774	2
	SD	.378	.304	.373	.324	.247	.202	.177	
	TOT OBS	200	195	217	209	215	180	186	
ALL HOURS	MEAN	29.699	29.785	29.609	29.701	29.627	29.733	29.764	2
	SD	.383	.306	.384	.321	.248	.210	.184	
	TOT OBS	1711	1640	1830	1785	1843	1547	1604	

ESSURE IN INCHES HG FROM MEANS AND STANDARD DEVIATIONS
RLY OBSERVATIONS

FAIRFORD UK PERIOD OF RECORD: 79-87

R	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
99	29.636	29.749	29.785	29.738	29.710	29.679	29.661	29.619	29.699
24	.248	.210	.182	.196	.290	.347	.366	.433	.320
12	224	181	186	191	181	199	192	197	2373
89	29.623	29.736	29.772	29.726	29.701	29.659	29.653	29.621	29.689
4	.250	.212	.188	.200	.287	.352	.356	.428	.320
12	224	181	186	195	197	208	197	200	2421
09	29.626	29.728	29.762	29.727	29.700	29.648	29.651	29.610	29.685
22	.251	.217	.192	.201	.289	.350	.356	.428	.320
31	235	201	209	208	202	227	196	200	2550
19	29.635	29.738	29.769	29.740	29.717	29.665	29.667	29.612	29.695
24	.253	.216	.191	.199	.290	.351	.354	.430	.324
30	236	201	211	208	202	230	217	220	2632
11	29.628	29.734	29.761	29.733	29.712	29.661	29.662	29.611	29.690
22	.250	.212	.186	.195	.283	.350	.355	.433	.323
30	237	201	210	208	202	230	217	220	2632
94	29.621	29.721	29.748	29.721	29.698	29.643	29.645	29.595	29.675
17	.245	.206	.179	.188	.274	.346	.355	.432	.318
32	236	201	210	209	203	230	217	216	2630
97	29.617	29.715	29.745	29.716	29.696	29.651	29.652	29.594	29.676
14	.243	.203	.173	.182	.272	.346	.357	.442	.317
29	236	201	206	202	199	230	214	212	2596
96	29.635	29.750	29.774	29.741	29.708	29.682	29.667	29.614	29.699
24	.247	.202	.177	.188	.285	.349	.369	.446	.320
09	215	180	186	186	180	197	192	193	2350
91	29.627	29.733	29.764	29.730	29.705	29.660	29.657	29.609	29.688
21	.248	.210	.184	.194	.283	.348	.358	.433	.321
95	1843	1547	1604	1607	1566	1751	1642	1658	20184