

# DANISH METEOROLOGICAL INSTITUTE

MINISTRY OF TRANSPORT

## TECHNICAL REPORT

### 03-03

# Weather Statistics for Airports 1996-2001

## Denmark, Faroe Islands and Greenland

### 2. edition

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# Table of Contents

Preface.....	5
06030 Aalborg Airport (EKYT) .....	8
06070 Aarhus Airport - Tirstrup (EKAH) .....	12
06104 Billund Airport (EKBI).....	16
06190 Bornholm Airport – Rønne (EKRN).....	20
06180 Copenhagen Airport - Kastrup (EKCH) .....	24
06170 Copenhagen-Roskilde Airport (EKRK).....	28
06080 Esbjerg Airport (EKEB).....	32
06060 Karup Airport – (EKKA) .....	36
06143 Lolland-Falster Airport - Maribo (EKMB).....	40
06120 Odense Airport (EKOD) .....	44
06034 Sindal – Airport (EKSN) .....	48
06062 Skive – Airport (EKSV).....	52
06066 Stauning Airport (EKVJ) .....	56
06118 Sønderborg Airport (EKSB) .....	60
06024 Thisted Airport (EKTS) .....	64
06022 Tyra Øst – Heliport (EKGF) .....	68
06100 Vandel – Airport (EKVA).....	72
06110 Vojens-Skrydstrup Airport (EKSP) .....	76
06160 Værløse Airport (EKVL) .....	80
06010 Vagar Airport (EKVG) – Faroe Islands .....	84
04221 Ilulissat Airport (BGJN) .....	88
04231 Kangerlussuaq Airport (BGSF) .....	92
04361 Kulusuk Airport (BGKK) .....	96
04270 Narsarsuaq Airport (BGBW) .....	100
04341 Nerlerit Inaat Airport (BGCO).....	104
04254 Nuuk Airport (BGGH).....	108



# Preface

The current report is a continuation and upgrade of the statistical reports on meteorological conditions relevant to aircraft operations that were frequently published for a number of airports in Denmark, Faro Islands and Greenland during the period 1930 – 1970.

The work on the current climatological summaries for airports began in the year 2000 by defining the exact content of the tables, the numbers of airports, data period etc. It was decided to include all airports in Denmark, Faroe Islands and Greenland with METAR data available (see Table below).

The period included is 1996-2001. Before 1996, the METAR coding was slightly different, so the period after 1996 was chosen for simplicity. The report can be updated routinely, by adding additional years until a 10 year data-period is reached, but the exact frequency has not yet been decided.

In addition to the airport summaries presented here, another report is in the planning phase. This will contain examples of more advanced and customised statistics for Copenhagen and Kangerlussuaq Airports.

## Included Airports

### DK

No.	Name	Code	Station No.
1	Aalborg, FSN	EKYT	06030
2	Aarhus-Tirstrup	EKAH	06070
3	Billund	EKBI	06104
4	Bornholm-Rønne	EKRN	06190
5	Copenhagen-Kastrup	EKCH	06180
6	Copenhagen-Roskilde	EKRK	06170
7	Esbjerg	EKEB	06080
8	Karup, FSN	EKKA	06060
9	Lolland Falster-Maribo	EKMB	06143
10	Odense	EKOD	06120
11	Sindal	EKSN	06034
12	Skive	EKSV	06062
13	Stauning	EKVJ	06066
14	Sønderborg	EKSB	06118
15	Thisted	EKTS	06024
16	Tyra Øst	EKGF	06022
17	Vandel	EKVA	06100
18	Vojens-Skrydstrup FSN	EKSP	06110
19	Værlose, FSN	EKVL	06160

### FO

20	Vagar	EKVG	06010
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### GR

21	Ilulissat	BGJN	04221
22	Kangerlussuaq	BGSF	04231
23	Kulusuk	BGKK	04361
24	Narsarsuaq	BGBW	04270
25	Nerlerit Inaat	BGCO	04341
26	Nuuk	BGGH	04254

## Major remarks to the statistics and results

### - Uneven daily distribution of observations

Some of the airports have a nearly even distribution of observations 24 hours a day, 365 days a year, but quite a few have only daytime operation, and this will of course be reflected in the statistic values of, for instance, temperature and no. of days with frost. Therefore, intercomparison between

airports should be done with extreme cautions and careful attention to the diagrams with distribution of observations.

This is of course also reflected in the number of recorded observations, which varies by approximately a factor of 8, from Nerlerit Inaat with the lowest number of observations to Copenhagen-Kastrup with the largest number of observations as seen in the table below where the airports are ranked according to their number of observations.

Name	No Obs	Obs/ hour	Name	No Obs	Obs/hour
Copenhagen-Kastrup, EKCH	101.697	2	Sønderborg, EKSB	37.161	1
Vojens-Skrydstrup FSN, EKSP	101.536	2	Vagar, EKVG	34.124	1
Karup, FSN, EKKA	101.290	2	Narsarsuaq, BGBW	33.640	1
Aalborg, FSN, EKYT	101.267	2	Thisted, EKTS	33.555	1
Billund, EKBI	100.585	2	Nuuk, BGGH	29.709	1
Værløse, FSN, EKVL	100.540	2	Ilulissat, BGJN	28.570	1
Aarhus-Tirstrup, EKAH	94.200	2	Vandel, EKVA	28.272	2
Roskilde, EKRK	91.935	2	Sindal, EKSJ	25.068	1
Esbjerg, EKEB	72.925	2	Lolland Falster-Maribo, EKMB	23.930	1
Bornholm-Rønne, EKRN	70.911	2	Skive, EKSV	21.444	1
Tyra Øst, EKGJ	52.129	1	Kulusuk, BGKK	18.594	1
Kangerlussuaq, BGSF	51.858	1	Stauning, EKVJ	16.418	1
Odense, EKOD	41.887	1	Nerlerit Inaat, BGCO	13.644	1

The table also shows whether the routine observations are made every hour or half-hour during aerodrome operational hours.

#### - Missing data from 17. Nov - 31. Dec 2001

During the analysis, a period of missing data was identified, so no METAR data for the Danish airports during the period 17 Nov – 31 Dec. 2001 were available for the current work. However, as the missing data exists in a raw and unprocessed format, they can be included in a future update of the current statistics.

### Other remarks to the statistics and results

#### - SYNOP data instead of METAR data

In one of the included tables, “Key Climatic Values”, the parameters are based on SYNOP data because the information is not available from METAR data, for instance precipitation.

#### - SYNOP data from nearby locations

For two of the airports, Nuuk and Kulusuk, the SYNOP data were taken from nearby (city) stations a few kilometres away (station 04250 and station 04360 respectively).

#### - Kolding-Vamdrup (EKVD, 06108)

The airport Kolding-Vamdrup (EKVD, 06108) was excluded due to a very low number of observations.

#### - Rounding to one decimal

In order to preserve a good overview within the frequency tables, the numbers have been rounded to one decimal. It is therefore not an error if the totals, in some cases, do not match the sum of the columns to the last decimal, but a result of rounding.

- SPECI : SPECI is not included in the statistics.

- UTC Time : All times in the report are UTC.

**STATISTICAL  
SUMMARIES  
AIRPORTS**

# 06030 Aalborg Airport (EKYT)

Lat. 57.093°N Long. 9.849°E (57 05 34N 009 50 57E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	7.8	6.3 - 8.8
Mean Max. Temp (°C)	10.8	9.4 - 12.1
Max. Temp (°C)	27.8	26.0 - 29.0
Mean Min. Temp (°C)	4.5	2.9 - 5.5
Min. Temp (°C)	-12.0	-10.0 to -16.0
No. Days with Frost	85	53 - 130
Mean Relative Humidity (%)	86	84 - 88
No. Days with Fog	77	58 - 101
No. Days with Snow	33	20 - 56
Mean Wind-Speed (m/s)	4.9	4.7 - 5.2
Max. Wind-Speed (m/s)	20.7	17.0 - 24.7

Parameter (from Synop Data)	Mean	Range
No. Clear Days	22	11 - 31
No. Cloudy Days	136	122 - 158
Precipitation (mm)	615	443 - 771
No. Days with Precip. > 0.1 mm	164	126 - 187
No. Days with Precip. > 1 mm	114	75 - 139
No. Days with Precip. > 10 mm	14	9 - 20
Highest 24-hour Precip. (mm)	35	19 - 48

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 101.267	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	-	0.3
150 - 350 m	0.3	-	-	-	-	0.1	0.4
350 - 600 m	0.7	-	-	-	-	0.1	0.8
600 - 800 m	0.4	0.1	0.1	-	-	0.1	0.7
800 - 1500 m	0.5	0.6	0.4	0.2	0.1	0.3	2.1
1.5 - 3.0 km	0.1	0.8	3.3	2.2	0.8	2.1	9.3
3.0 - 5.0 km	-	0.1	1.9	3.9	1.5	4.5	11.9
5.0 - 8.0 km	-	-	0.7	3.6	3.0	9.3	16.7
> 8.0 km	-	-	0.3	3.0	4.7	49.9	57.9
Total	2.2	1.6	6.7	13.0	10.1	66.4	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 19.364 (19.1 %), Clear/FEW/SCT: N = 24.561 (24.3 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 101.267	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	8.1	0.8	-	-	9.0
NE	6.0	1.3	-	-	7.3
E	8.5	6.5	0.4	-	15.5
SE	5.0	4.9	0.2	-	10.2
S	7.1	5.1	0.4	-	12.6
SW	6.1	9.3	1.6	0.1	17.1
W	8.4	11.6	1.8	0.1	21.9
NW	4.9	1.3	0.1	-	6.2
Calm	0.2	-	-	-	0.2
Total	54.4	40.9	4.5	0.2	100.0



# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 26.182	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	-	0.3
150 - 350 m	0.2	0.1	-	-	-	0.1	0.4
350 - 600 m	0.6	-	-	-	-	0.1	0.8
600 - 800 m	0.4	0.1	0.1	-	-	0.1	0.6
800 - 1500 m	0.4	0.5	0.6	0.2	0.1	0.2	2.0
1.5 - 3.0 km	0.1	0.8	3.3	2.2	0.9	1.5	8.4
3.0 - 5.0 km	-	0.1	2.6	3.4	1.4	3.8	11.3
5.0 - 8.0 km	-	-	1.3	4.3	2.4	8.2	16.2
> 8.0 km	-	-	0.5	4.6	6.0	48.9	59.9
Total	2.0	1.6	8.4	14.7	10.4	62.9	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 6.941 (26.5 %), Clear/FEW/SCT: N = 5.533 (21.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 26.182	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	9.5	1.3	-	-	10.8
NE	6.8	1.9	-	-	8.7
E	10.5	8.6	0.3	-	19.4
SE	4.0	4.1	0.3	-	8.4
S	5.4	3.4	0.1	-	8.9
SW	4.7	7.5	1.2	0.1	13.5
W	8.3	11.5	2.2	0.1	22.1
NW	5.9	2.1	0.1	-	8.1
Calm	0.1	-	-	-	0.1
Total	55.2	40.3	4.3	0.2	100.0

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 26.274	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	0.1
150 - 350 m	-	-	-	-	-	-	0.1
350 - 600 m	0.1	-	-	-	-	0.1	0.2
600 - 800 m	0.1	-	-	-	-	-	0.2
800 - 1500 m	0.1	0.1	-	0.1	-	0.1	0.5
1.5 - 3.0 km	0.1	0.2	0.8	0.7	0.3	1.1	3.2
3.0 - 5.0 km	-	-	0.9	1.9	0.7	3.4	7.0
5.0 - 8.0 km	-	-	0.5	2.3	1.8	8.4	13.0
> 8.0 km	-	-	0.2	2.6	5.3	67.7	75.8
Total	0.5	0.4	2.4	7.7	8.0	81.0	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 5.950 (22.7 %), Clear/FEW/SCT: N = 8.029 (30.6 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 26.274	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	7.2	0.3	-	-	7.5
NE	4.1	0.4	-	-	4.5
E	9.6	4.9	0.1	-	14.6
SE	4.4	2.8	0.1	-	7.3
S	7.0	2.3	-	-	9.4
SW	6.4	7.6	0.8	-	14.9
W	13.4	19.3	1.3	-	34.0
NW	6.4	1.1	-	-	7.5
Calm	0.4	-	-	-	0.4
Total	58.9	38.7	2.4	0.0	100.0

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 24.608	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	0.1	0.3
150 - 350 m	0.1	-	-	-	-	0.1	0.2
350 - 600 m	0.3	0.1	-	-	-	0.1	0.5
600 - 800 m	0.3	0.1	0.1	-	-	0.1	0.5
800 - 1500 m	0.5	0.3	0.3	0.2	0.1	0.4	1.8
1.5 - 3.0 km	0.1	0.5	2.5	2.4	1.1	2.4	9.0
3.0 - 5.0 km	-	0.1	1.3	4.0	2.3	5.3	13.0
5.0 - 8.0 km	-	-	0.3	2.7	3.2	11.1	17.4
> 8.0 km	-	-	0.1	1.6	3.0	52.8	57.5
<b>Total</b>	<b>1.4</b>	<b>1.1</b>	<b>4.6</b>	<b>10.8</b>	<b>9.8</b>	<b>72.2</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 3.204 (13.0 %), Clear/FEW/SCT: N = 5.939 (24.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 24.608	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	7.7	0.6	-	-	8.3
NE	6.9	1.1	-	-	8.0
E	8.0	8.1	0.6	-	16.7
SE	6.7	8.1	0.3	-	15.0
S	8.1	7.5	0.6	-	16.2
SW	5.5	8.1	1.0	0.1	14.8
W	6.5	8.0	1.7	0.1	16.2
NW	3.8	0.8	-	-	4.7
Calm	0.1	-	-	-	0.1
<b>Total</b>	<b>53.4</b>	<b>42.2</b>	<b>4.2</b>	<b>-</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 24.203	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.4	-	-	-	-	-	0.5
150 - 350 m	0.6	-	-	-	-	0.1	0.7
350 - 600 m	1.5	0.1	-	0.1	-	0.1	1.8
600 - 800 m	0.8	0.2	0.1	0.1	-	0.1	1.2
800 - 1500 m	0.8	1.2	0.7	0.3	0.2	0.5	3.7
1.5 - 3.0 km	0.3	1.5	5.9	3.3	1.0	3.1	15.0
3.0 - 5.0 km	-	0.1	2.8	5.7	1.6	5.0	15.1
5.0 - 8.0 km	-	-	0.9	4.8	4.2	9.4	19.2
> 8.0 km	-	-	0.3	3.5	4.8	34.2	42.7
<b>Total</b>	<b>4.4</b>	<b>3.1</b>	<b>10.7</b>	<b>17.8</b>	<b>11.7</b>	<b>52.4</b>	<b>100.0</b>

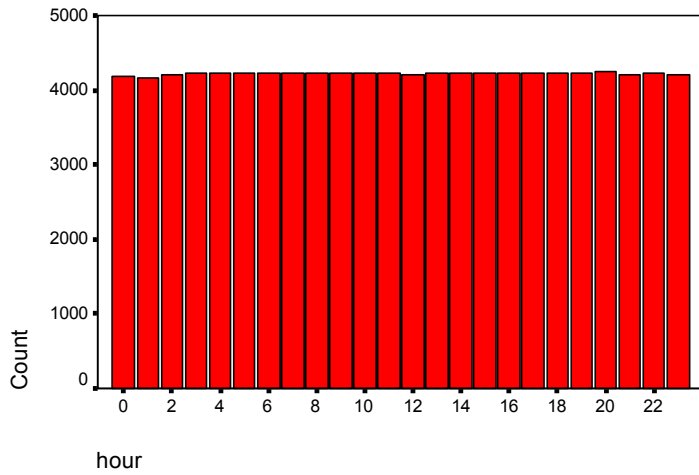
CAVOK or Sky Clear plus >10 km VIS: N = 3.269 (13.5 %), Clear/FEW/SCT: N = 5.060 (20.9 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 24.203	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	8.1	1.2	-	-	9.3
NE	6.2	2.1	0.1	-	8.3
E	5.8	4.5	0.7	-	10.9
SE	5.2	4.9	0.3	-	10.4
S	8.2	7.4	0.9	-	16.6
SW	7.9	14.3	3.4	0.3	25.9
W	4.8	7.1	2.0	0.3	14.2
NW	3.3	1.0	0.1	-	4.4
Calm	-	-	-	-	0.1
<b>Total</b>	<b>49.6</b>	<b>42.4</b>	<b>7.4</b>	<b>0.6</b>	<b>100.0</b>

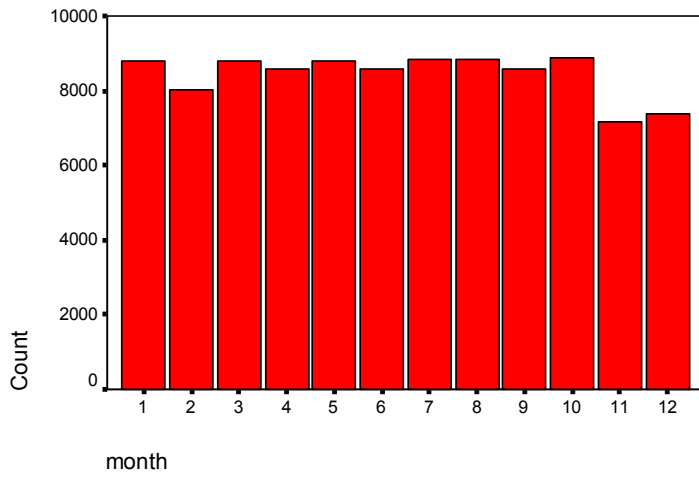
## Hourly Distribution of Observations

### Aalborg Airport



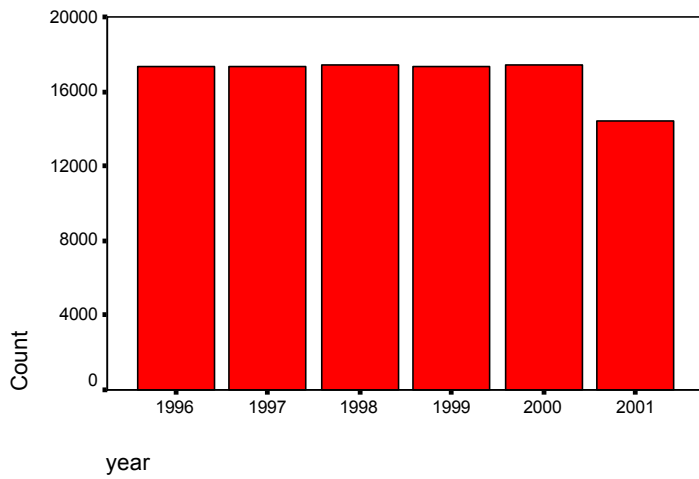
## Monthly Distribution of Observations

### Aalborg Airport



## Yearly Distribution of Observations

### Aalborg Airport



# 06070 Aarhus Airport - Tirstrup (EKAH)

Lat. 56.300°N Long. 10.619°E (56 18 00N 010 37 08E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	8.4	6.6 - 9.6
Mean Max. Temp (°C)	11.4	9.9 - 12.3
Max. Temp (°C)	28.2	25.0 - 30.0
Mean Min. Temp (°C)	4.6	2.7 - 6.0
Min. Temp (°C)	-14.0	-12.0 to -17.0
No. Days with Frost	82	51 - 130
Mean Relative Humidity (%)	83	80 - 86
No. Days with Fog	61	43 - 75
No. Days with Snow	34	20 - 63
Mean Wind-Speed (m/s)	4.0	3.7 - 4.2
Max. Wind-Speed (m/s)	16.9	14.9 - 19.6

Parameter (from Synop Data)	Mean	Range
No. Clear Days	19	4 - 28
No. Cloudy Days	118	89 - 135
Precipitation (mm)	700	532 - 929
No. Days with Precip. > 0.1 mm	180	150 - 201
No. Days with Precip. > 1 mm	118	87 - 142
No. Days with Precip. > 10 mm	21	17 - 28
Highest 24-hour Precip. (mm)	30	21 - 38

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 94.200	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.2
150 - 350 m	0.6	-	-	-	-	0.1	0.8
350 - 600 m	0.7	0.2	-	-	-	0.1	1.0
600 - 800 m	0.4	0.2	0.1	-	-	0.1	0.7
800 - 1500 m	0.7	0.9	0.9	0.3	0.1	0.3	3.1
1.5 - 3.0 km	0.2	1.0	4.0	2.5	0.7	1.9	10.3
3.0 - 5.0 km	-	0.2	2.7	4.3	1.8	4.5	13.4
5.0 - 8.0 km	-	-	1.2	4.2	3.3	8.4	17.0
> 8.0 km	-	-	0.3	3.5	5.8	43.8	53.5
<b>Total</b>	2.7	2.5	9.2	14.8	11.7	59.1	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 17.054 (18.1 %), Clear/FEW/SCT: N = 26.304 (27.9 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 94.200	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
<b>N</b>	4.8	1.6	-	-	6.4
<b>NE</b>	2.7	1.3	0.1	-	4.1
<b>E</b>	5.3	4.6	0.1	-	10.0
<b>SE</b>	10.9	3.8	-	-	14.7
<b>S</b>	14.1	1.1	-	-	15.2
<b>SW</b>	12.4	1.3	-	-	13.7
<b>W</b>	14.6	11.0	1.0	-	26.8
<b>NW</b>	4.4	2.8	0.4	-	7.6
<b>Calm</b>	1.5	-	-	-	1.5
<b>Total</b>	70.7	27.5	1.7	0.1	100.0

# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 24.428	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.4	-	0.1	-	-	0.1	0.6
350 - 600 m	0.5	0.1	-	-	-	-	0.7
600 - 800 m	0.3	0.1	0.1	-	-	-	0.5
800 - 1500 m	0.5	0.8	0.8	0.2	0.1	0.2	2.6
1.5 - 3.0 km	0.2	0.7	3.9	2.1	0.9	2.2	10.1
3.0 - 5.0 km	-	0.2	2.9	3.9	1.5	5.2	13.7
5.0 - 8.0 km	-	-	1.4	4.2	2.6	9.8	18.0
> 8.0 km	-	-	0.3	3.6	5.8	44.1	53.8
<b>Total</b>	<b>2.1</b>	<b>1.9</b>	<b>9.5</b>	<b>14.0</b>	<b>10.8</b>	<b>61.7</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 5.943 (24.3 %), Clear/FEW/SCT: N = 6.162 (25.2 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 24.428	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.3	2.8	0.1	-	9.2
NE	3.8	1.8	0.1	-	5.6
E	6.6	6.2	0.1	-	12.9
SE	10.6	3.9	-	-	14.6
S	13.8	0.8	-	-	14.6
SW	8.4	0.8	-	-	9.2
W	12.1	10.7	1.3	0.1	24.2
NW	4.5	3.4	0.5	-	8.4
Calm	1.2	-	-	-	1.2
<b>Total</b>	<b>67.3</b>	<b>30.4</b>	<b>2.1</b>	<b>0.1</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 24.573	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.1	-	-	-	-	-	0.1
350 - 600 m	0.1	-	-	-	-	0.1	0.2
600 - 800 m	0.1	-	-	-	-	0.1	0.2
800 - 1500 m	0.1	0.2	0.1	0.1	-	0.2	0.6
1.5 - 3.0 km	-	0.2	1.0	0.7	0.3	1.2	3.4
3.0 - 5.0 km	-	0.1	1.1	1.6	0.9	3.7	7.4
5.0 - 8.0 km	-	-	0.6	2.3	1.4	8.2	12.6
> 8.0 km	-	-	0.3	3.6	6.4	65.1	75.4
<b>Total</b>	<b>0.5</b>	<b>0.5</b>	<b>3.1</b>	<b>8.4</b>	<b>9.0</b>	<b>78.6</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 6.026 (24.5 %), Clear/FEW/SCT: N = 8.668 (35.3 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. obs = 24.573	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.0	0.8	-	-	5.8
NE	1.8	0.5	-	-	2.4
E	5.3	2.3	-	-	7.6
SE	12.2	2.8	-	-	15.0
S	12.2	0.4	-	-	12.6
SW	10.4	0.8	-	-	11.2
W	19.1	14.5	0.8	-	34.3
NW	5.3	3.0	0.2	-	8.4
Calm	2.7	-	-	-	2.7
<b>Total</b>	<b>73.9</b>	<b>25.1</b>	<b>1.0</b>	<b>-</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 23.043	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.2
150 - 350 m	0.3	-	-	-	-	0.1	0.4
350 - 600 m	0.3	-	-	-	-	0.1	0.4
600 - 800 m	0.4	-	-	-	-	0.1	0.5
800 - 1500 m	0.6	0.6	0.7	0.4	0.1	0.4	2.8
1.5 - 3.0 km	0.1	0.8	3.2	3.4	0.7	1.9	10.1
3.0 - 5.0 km	-	0.1	2.2	4.7	2.5	4.9	14.3
5.0 - 8.0 km	-	-	0.6	3.5	4.4	9.0	17.5
> 8.0 km	-	-	0.2	2.1	4.7	46.8	53.8
<b>Total</b>	<b>1.7</b>	<b>1.5</b>	<b>6.9</b>	<b>14.2</b>	<b>12.4</b>	<b>63.3</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 2.656 (11.5 %), Clear/FEW/SCT: N = 6.800 (29.5 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 23.043	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	3.8	0.9	-	-	4.8
NE	2.1	1.2	-	-	3.3
E	5.5	6.5	0.1	-	12.1
SE	12.6	5.2	-	-	17.9
S	15.5	1.4	-	-	16.9
SW	14.1	1.3	-	-	15.4
W	13.0	8.0	0.7	-	21.8
NW	4.0	2.3	0.3	-	6.5
Calm	1.1	-	-	-	1.3
<b>Total</b>	<b>71.7</b>	<b>27.1</b>	<b>1.2</b>	<b>-</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 22.156	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	-	0.3
150 - 350 m	1.6	0.1	-	-	-	-	1.7
350 - 600 m	1.5	0.5	-	-	-	-	2.1
600 - 800 m	0.7	0.4	0.1	-	-	-	1.3
800 - 1500 m	1.2	1.9	1.6	0.4	0.1	0.3	5.5
1.5 - 3.0 km	0.4	1.9	6.7	3.2	0.9	2.1	15.3
3.0 - 5.0 km	-	0.3	4.1	6.1	2.0	4.0	16.4
5.0 - 8.0 km	-	0.1	1.9	5.9	4.1	6.8	18.8
> 8.0 km	-	-	0.5	4.5	6.5	27.0	38.6
<b>Total</b>	<b>5.7</b>	<b>5.1</b>	<b>15.0</b>	<b>20.2</b>	<b>13.6</b>	<b>40.4</b>	<b>100.0</b>

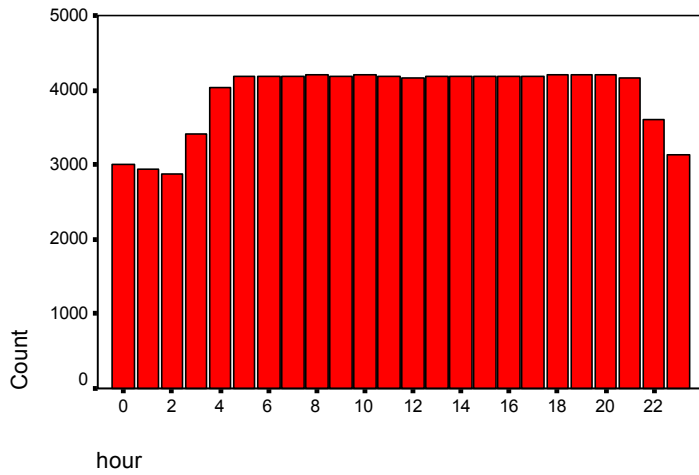
CAVOK or Sky Clear plus >10 km VIS: N = 2.429 (11.0 %), Clear/FEW/SCT: N = 4.674 (21.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 22.156	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.1	1.8	-	-	5.8
NE	2.9	1.9	0.5	-	5.3
E	3.6	3.3	0.2	-	7.1
SE	7.8	3.4	-	-	11.2
S	15.1	1.8	-	-	17.0
SW	17.2	2.5	-	-	19.7
W	14.1	10.8	1.3	0.1	26.3
NW	3.9	2.3	0.6	-	6.8
Calm	0.6	0.1	-	-	0.7
<b>Total</b>	<b>69.4</b>	<b>27.8</b>	<b>2.7</b>	<b>0.1</b>	<b>100.0</b>

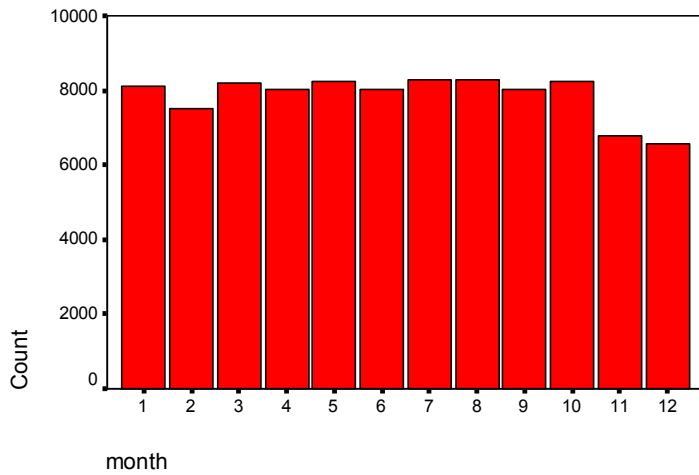
## Hourly Distribution of Observations

Århus Airport - Tirstrup



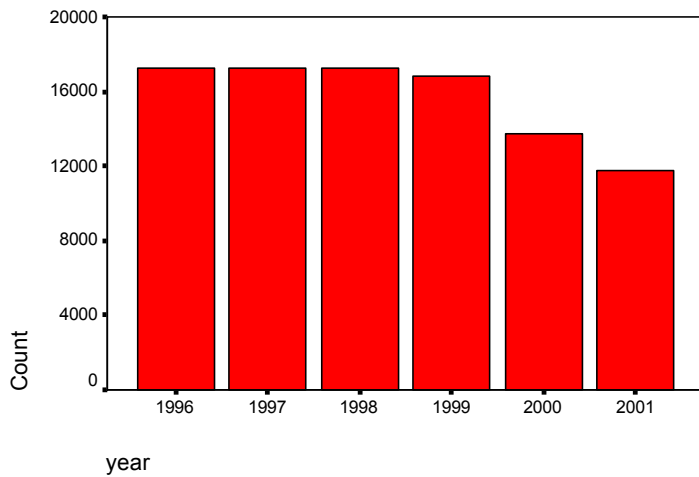
## Monthly Distribution of Observations

Århus Airport - Tirstrup



## Yearly Distribution of Observations

Århus Airport - Tirstrup



# 06104 Billund Airport (EKBI)

Lat. 55.740°N Long. 9.152°E (55 44 25N 009 09 06E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	8.2	6.6 – 9.0
Mean Max. Temp (°C)	11.6	10.0 - 12.4
Max. Temp (°C)	29.0	27.0 – 31.0
Mean Min. Temp (°C)	4.5	2.7 – 5.6
Min. Temp (°C)	-14.3	-13.0 to -16.0
No. Days with Frost	82	46 – 134
Mean Relative Humidity (%)	86	84 – 88
No. Days with Fog	94	84 – 109
No. Days with Snow	32	22 – 53
Mean Wind-Speed (m/s)	4.1	4.0 – 4.4
Max. Wind-Speed (m/s)	17.9	14.3 - 24.2

Parameter (from Synop Data)	Mean	Range
No. Clear Days	17	9 - 24
No. Cloudy Days	149	130 - 175
Precipitation (mm)	931	625 - 1201
No. Days with Precip. > 0.1 mm	201	151 - 232
No. Days with Precip. > 1 mm	139	96 – 159
No. Days with Precip. > 10 mm	29	19 - 38
Highest 24-hour Precip. (mm)	36	24 - 57

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 100.585	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	0.1
150 - 350 m	0.2	0.2	-	-	-	-	0.4
350 - 600 m	0.3	0.5	-	-	-	0.1	0.9
600 - 800 m	0.1	0.2	0.1	-	-	0.1	0.4
800 - 1500 m	0.6	0.6	0.4	0.1	-	0.1	1.8
1.5 - 3.0 km	0.5	2.1	4.4	1.8	0.3	1.1	10.1
3.0 - 5.0 km	-	0.4	5.3	6.0	1.5	3.8	16.9
5.0 - 8.0 km	-	-	1.2	5.1	2.5	6.8	15.5
> 8.0 km	-	-	0.6	4.6	6.7	41.8	53.7
Total	1.7	4.0	11.9	17.6	11.1	53.8	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 17.517 (17.4 %), Clear/FEW/SCT: N = 24.815 (24.7 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 100.585	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.3	0.7	-	-	7.0
NE	3.6	1.3	-	-	4.9
E	11.1	5.8	0.1	-	17.1
SE	10.3	2.7	-	-	13.1
S	9.0	2.3	0.1	-	11.4
SW	9.0	6.3	0.5	-	15.8
W	10.6	9.2	0.9	-	20.7
NW	5.1	3.6	0.3	-	9.0
Calm	1.1	-	-	-	1.1
Total	66.2	31.8	1.9	0.1	100.0



# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 26.055	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	-	0.2	-	-	-	-	0.2
350 - 600 m	0.1	0.3	-	-	-	0.1	0.5
600 - 800 m	0.1	0.1	0.1	-	-	-	0.4
800 - 1500 m	0.6	0.8	0.3	0.1	-	0.1	2.0
1.5 - 3.0 km	0.4	2.4	4.5	1.8	0.3	0.8	10.2
3.0 - 5.0 km	-	0.4	5.2	5.9	1.4	4.0	16.9
5.0 - 8.0 km	-	-	1.4	5.0	2.6	7.4	16.5
> 8.0 km	-	-	0.5	4.9	7.2	40.5	53.2
<b>Total</b>	<b>1.4</b>	<b>4.1</b>	<b>12.0</b>	<b>17.8</b>	<b>11.7</b>	<b>52.9</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 6.372 (24.5 %), Clear/FEW/SCT: N = 5.799 (22.3 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 26.055	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	7.3	1.1	-	-	8.5
NE	4.4	1.7	-	-	6.1
E	12.1	9.1	0.1	-	21.3
SE	8.7	2.4	-	-	11.1
S	6.9	1.3	-	-	8.1
SW	7.2	5.0	0.3	-	12.5
W	9.4	9.1	1.3	-	19.8
NW	6.4	4.6	0.3	-	11.3
Calm	1.4	-	-	-	1.4
<b>Total</b>	<b>63.6</b>	<b>34.3</b>	<b>2.1</b>	<b>-</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 26.119	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	0.1	-	-	-	-	0.1
150 - 350 m	0.1	-	-	-	-	-	0.2
350 - 600 m	0.2	0.1	-	-	-	0.1	0.4
600 - 800 m	-	0.1	-	-	-	0.1	0.2
800 - 1500 m	0.2	0.1	0.1	-	-	0.1	0.6
1.5 - 3.0 km	0.2	0.6	1.4	0.9	0.2	0.8	4.1
3.0 - 5.0 km	-	0.3	2.5	3.2	0.8	3.0	9.8
5.0 - 8.0 km	-	-	0.7	3.3	1.8	6.5	12.3
> 8.0 km	-	-	0.5	4.0	6.9	60.8	72.3
<b>Total</b>	<b>0.7</b>	<b>1.4</b>	<b>5.2</b>	<b>11.5</b>	<b>9.7</b>	<b>71.5</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 5.513 (21.1 %), Clear/FEW/SCT: N = 7.153 (27.4 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. obs = 26.119	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.1	0.2	-	-	5.3
NE	2.2	0.4	-	-	2.7
E	12.3	2.6	-	-	14.9
SE	9.6	1.8	-	-	11.4
S	7.8	0.8	-	-	8.6
SW	9.7	4.9	0.1	-	14.7
W	16.5	11.8	0.3	-	28.5
NW	6.5	5.2	0.1	-	11.8
Calm	2.0	-	-	-	2.1
<b>Total</b>	<b>71.8</b>	<b>27.7</b>	<b>0.5</b>	<b>-</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 24.483	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.2	0.1	-	-	-	-	0.4
350 - 600 m	0.2	0.1	-	-	-	0.1	0.6
600 - 800 m	0.1	-	-	-	-	0.1	0.3
800 - 1500 m	0.4	0.5	0.2	-	-	0.1	1.3
1.5 - 3.0 km	0.3	1.4	4.5	2.1	0.3	1.6	10.1
3.0 - 5.0 km	-	0.2	4.2	6.7	1.6	4.2	16.8
5.0 - 8.0 km	-	-	0.8	4.8	2.9	7.7	16.1
> 8.0 km	-	-	0.3	3.3	5.7	45.1	54.4
<b>Total</b>	<b>1.3</b>	<b>2.4</b>	<b>10.0</b>	<b>17.0</b>	<b>10.5</b>	<b>58.8</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 3.070 (12.5 %), Clear/FEW/SCT: N = 6.356 (26.0 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 24.483	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.1	0.5	-	-	6.6
NE	3.8	1.1	-	-	4.9
E	12.4	7.3	0.2	-	19.8
SE	12.8	3.6	-	-	16.5
S	12.2	3.6	0.2	-	16.1
SW	9.0	4.6	0.3	-	13.9
W	8.2	6.2	0.5	-	14.9
NW	3.9	2.4	0.2	-	6.5
Calm	0.7	-	-	-	0.7
<b>Total</b>	<b>69.2</b>	<b>29.4</b>	<b>1.4</b>	<b>-</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 23.928	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	0.4	-	-	-	0.1	0.8
350 - 600 m	0.6	1.2	0.1	0.1	-	0.1	2.0
600 - 800 m	0.3	0.4	0.1	-	-	0.1	0.9
800 - 1500 m	1.0	1.1	0.7	0.2	-	0.1	3.1
1.5 - 3.0 km	1.0	3.8	6.6	2.1	0.4	1.2	15.2
3.0 - 5.0 km	-	0.6	8.9	7.6	2.1	3.9	23.1
5.0 - 8.0 km	-	0.1	1.7	7.0	2.7	5.6	17.0
> 8.0 km	-	-	1.1	6.0	7.0	23.7	37.8
<b>Total</b>	<b>3.2</b>	<b>7.5</b>	<b>19.3</b>	<b>23.0</b>	<b>12.2</b>	<b>34.7</b>	<b>100.0</b>

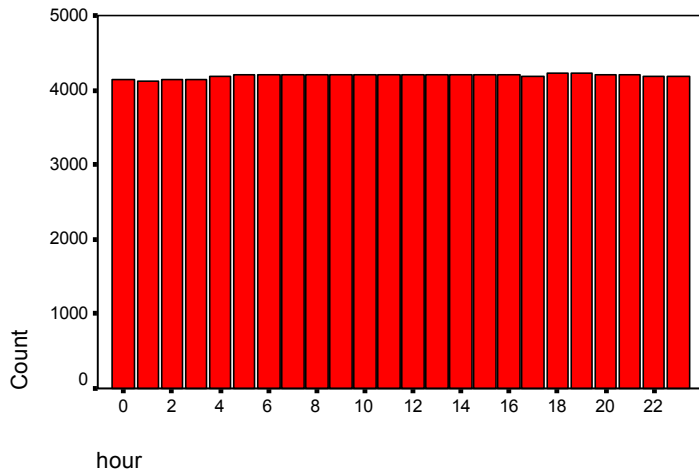
CAVOK or Sky Clear plus >10 km VIS: N = 2.562 (10.7 %), Clear/FEW/SCT: N = 5.507 (23.0 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 23.928	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.6	0.8	-	-	7.4
NE	3.9	1.8	0.1	-	5.8
E	7.6	4.3	0.2	-	12.1
SE	10.4	3.1	-	-	13.5
S	9.4	3.7	0.2	-	13.3
SW	10.3	10.8	1.2	-	22.4
W	7.8	9.6	1.5	0.2	19.1
NW	3.5	2.1	0.6	-	6.1
Calm	0.3	-	-	-	0.3
<b>Total</b>	<b>59.9</b>	<b>36.1</b>	<b>3.8</b>	<b>0.2</b>	<b>100.0</b>

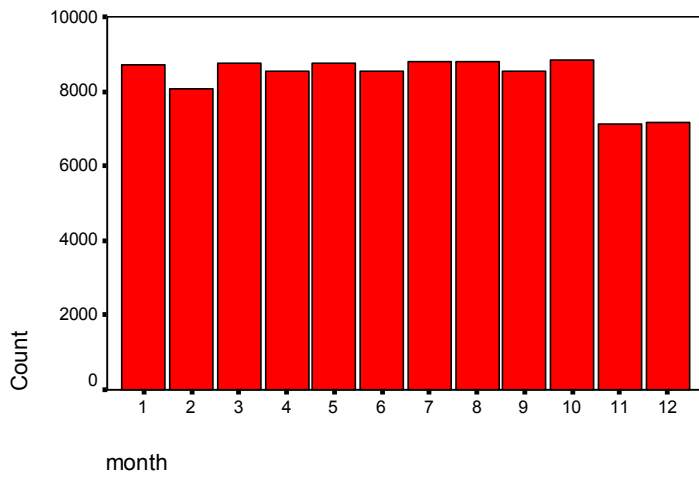
## Hourly Distribution of Observations

Billund Airport



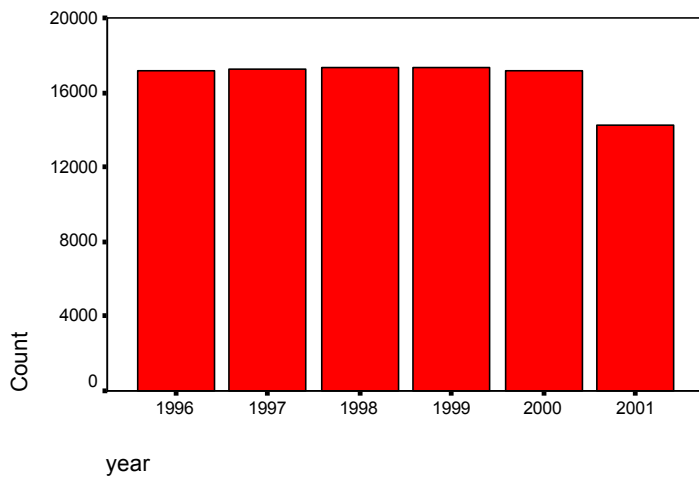
## Monthly Distribution of Observations

Billund Airport



## Yearly Distribution of Observations

Billund Airport



# 06190 Bornholm Airport – Rønne (EKRN)

Lat. 55.063°N Long. 14.759°E (55 03 48N 014 45 34E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	9.3	7.6 – 10.4
Mean Max. Temp (°C)	11.4	9.7 - 12.4
Max. Temp (°C)	29.0	27.0 – 31.0
Mean Min. Temp (°C)	6.6	4.9 – 7.7
Min. Temp (°C)	-10.0	-8.0 to -13.0
No. Days with Frost	59	31 – 106
Mean Relative Humidity (%)	85	82 – 87
No. Days with Fog	43	33 – 53
No. Days with Snow	29	11 – 58
Mean Wind-Speed (m/s)	5.8	5.4 – 6.2
Max. Wind-Speed (m/s)	21.5	19.0 - 26.3

Parameter (from Synop Data)	Mean	Range
No. Clear Days	9	3 - 13
No. Cloudy Days	59	51 - 66
Precipitation (mm)	552	442 – 682
No. Days with Precip. > 0.1 mm	161	131 - 194
No. Days with Precip. > 1 mm	102	77 – 121
No. Days with Precip. > 10 mm	13	9 – 21
Highest 24-hour Precip. (mm)	33.5	18 – 66

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 70.911	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.4	-	-	-	-	-	0.4
350 - 600 m	0.5	-	-	-	-	-	0.7
600 - 800 m	0.4	0.1	-	-	-	-	0.6
800 - 1500 m	0.7	0.5	0.4	0.2	0.1	0.3	2.2
1.5 - 3.0 km	0.4	1.1	2.9	2.1	1.1	3.0	10.6
3.0 - 5.0 km	0.1	0.3	2.2	3.0	1.8	5.6	12.8
5.0 - 8.0 km	-	0.1	1.3	3.1	2.5	11.7	18.6
> 8.0 km	-	-	0.6	3.5	4.9	45.1	54.0
Total	2.5	2.1	7.4	11.9	10.4	65.6	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 18.386 (25.9 %), Clear/FEW/SCT: N = 17.607 (24.8 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 70.911	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.9	2.3	-	-	8.2
NE	4.2	2.9	0.6	-	7.7
E	6.8	8.4	0.5	-	15.7
SE	5.2	4.7	0.4	-	10.2
S	4.9	4.6	0.9	0.1	10.4
SW	4.6	5.8	1.8	0.1	12.4
W	7.5	14.6	4.0	0.3	26.4
NW	4.0	3.8	0.5	-	8.4
Calm	0.6	-	-	-	0.6
Total	43.6	47.1	8.8	0.5	100.0

# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 18.418	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	-	0.2
150 - 350 m	0.7	-	-	-	-	-	0.8
350 - 600 m	0.9	-	0.1	0.1	-	-	1.2
600 - 800 m	0.6	0.1	0.1	0.1	-	-	0.9
800 - 1500 m	1.3	0.7	0.6	0.3	0.2	0.4	3.4
1.5 - 3.0 km	0.8	1.3	2.4	1.6	1.3	5.1	12.4
3.0 - 5.0 km	0.1	0.5	2.2	1.9	1.7	8.5	14.9
5.0 - 8.0 km	-	0.1	1.5	2.8	2.0	14.1	20.5
> 8.0 km	-	-	0.9	4.2	4.3	36.4	45.8
<b>Total</b>	<b>4.6</b>	<b>2.7</b>	<b>7.7</b>	<b>10.8</b>	<b>9.5</b>	<b>64.6</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 6.745 (36.6 %), Clear/FEW/SCT: N = 4.192 (22.8 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 18.418	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.3	2.7	-	-	7.1
NE	3.4	5.6	1.5	-	10.5
E	7.5	13.0	1.1	-	21.6
SE	7.4	4.3	0.2	-	12.0
S	4.9	2.1	0.3	-	7.4
SW	5.1	3.5	0.7	-	9.3
W	8.8	11.9	2.6	0.2	23.5
NW	4.0	3.4	0.5	-	7.9
Calm	0.7	-	-	-	0.7
<b>Total</b>	<b>46.2</b>	<b>46.6</b>	<b>7.0</b>	<b>0.3</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 18.448	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	0.1	-	-	-	-	-	0.1
600 - 800 m	0.1	-	-	-	-	-	0.1
800 - 1500 m	0.1	0.1	0.1	-	-	-	0.3
1.5 - 3.0 km	0.3	0.5	1.3	0.7	0.4	1.7	4.7
3.0 - 5.0 km	0.1	0.3	1.1	0.9	0.7	4.0	7.0
5.0 - 8.0 km	-	0.2	0.9	1.6	1.5	11.3	15.5
> 8.0 km	-	-	0.5	2.6	4.6	64.4	72.1
<b>Total</b>	<b>0.7</b>	<b>1.0</b>	<b>3.8</b>	<b>5.8</b>	<b>7.3</b>	<b>81.4</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 6.849 (37.1 %), Clear/FEW/SCT: N = 5.204 (28.2 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 18.448	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.9	0.8	-	-	5.7
NE	3.5	2.3	0.3	-	6.0
E	6.4	6.3	0.1	-	12.9
SE	6.6	4.0	-	-	10.6
S	6.2	1.4	-	-	7.7
SW	6.7	3.5	0.3	-	10.5
W	13.2	21.4	2.2	-	36.8
NW	4.7	4.0	0.2	-	8.9
Calm	0.9	-	-	-	0.9
<b>Total</b>	<b>53.1</b>	<b>43.7</b>	<b>3.1</b>	<b>-</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 17.339	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.1	-	-	-	-	-	0.1
350 - 600 m	0.2	-	-	-	-	-	0.2
600 - 800 m	0.1	0.1	-	-	-	-	0.2
800 - 1500 m	0.2	0.2	0.1	0.1	-	0.2	0.9
1.5 - 3.0 km	0.1	0.8	2.5	2.5	0.9	2.4	9.2
3.0 - 5.0 km	-	0.1	1.2	3.4	1.8	4.6	11.1
5.0 - 8.0 km	-	0.1	1.0	2.9	3.0	11.7	18.6
> 8.0 km	-	-	0.2	2.6	4.9	51.9	59.6
<b>Total</b>	<b>0.9</b>	<b>1.2</b>	<b>5.1</b>	<b>11.5</b>	<b>10.6</b>	<b>70.7</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 2.825 (16.3 %), Clear/FEW/SCT: N = 4.656 (26.9 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 17.339	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.1	2.7	0.1	-	8.9
NE	5.2	2.0	0.1	-	7.2
E	8.3	9.5	0.6	-	18.4
SE	4.0	6.2	0.7	-	10.8
S	4.3	7.1	1.7	0.1	13.2
SW	3.4	8.0	2.9	0.1	14.3
W	3.6	10.2	5.2	0.3	19.4
NW	3.3	3.2	0.7	-	7.3
Calm	0.5	-	-	-	0.5
<b>Total</b>	<b>38.7</b>	<b>48.9</b>	<b>11.9</b>	<b>0.6</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

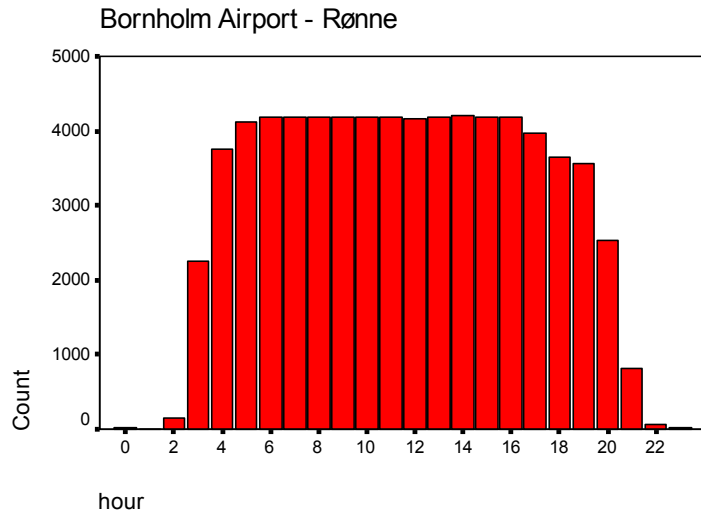
No. Obs = 16.706	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.5	0.1	-	-	-	-	0.6
350 - 600 m	0.7	-	-	0.1	-	-	0.9
600 - 800 m	0.7	0.1	-	0.1	-	-	1.0
800 - 1500 m	1.1	0.9	0.7	0.3	0.2	0.4	3.5
1.5 - 3.0 km	0.4	1.7	4.6	3.0	1.4	2.8	14.0
3.0 - 5.0 km	0.1	0.4	3.7	4.5	2.4	5.3	16.4
5.0 - 8.0 km	-	0.1	1.6	4.2	3.0	10.4	19.2
> 8.0 km	-	-	0.8	4.4	5.4	33.7	44.3
<b>Total</b>	<b>3.6</b>	<b>3.3</b>	<b>11.4</b>	<b>16.6</b>	<b>12.4</b>	<b>52.7</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 1.967 (11.8 %), Clear/FEW/SCT: N = 3.555 (21.3 %)

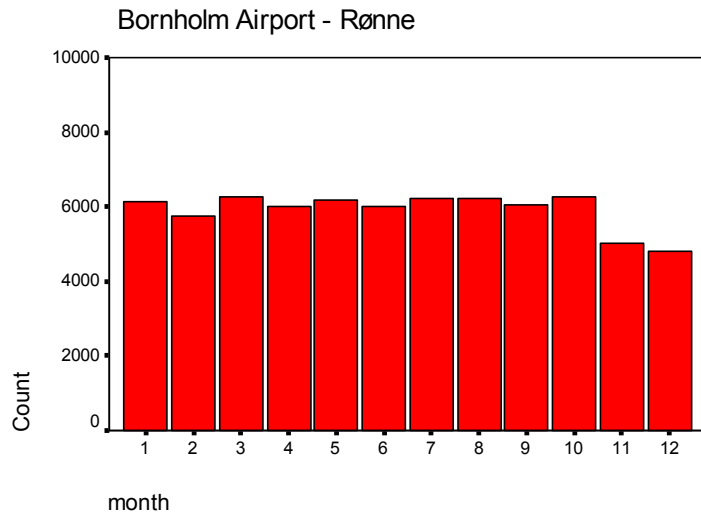
## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 16.706	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	8.3	3.1	0.1	-	11.5
NE	4.8	1.8	0.5	0.1	7.1
E	4.8	4.3	0.2	-	9.4
SE	2.3	4.4	0.7	-	7.4
S	3.8	8.2	1.8	0.2	14.0
SW	3.2	8.8	3.6	0.2	15.8
W	3.8	14.4	6.3	0.7	25.3
NW	4.1	4.5	0.7	-	9.4
Calm	0.2	-	-	-	0.2
<b>Total</b>	<b>35.3</b>	<b>49.5</b>	<b>13.9</b>	<b>1.3</b>	<b>100.0</b>

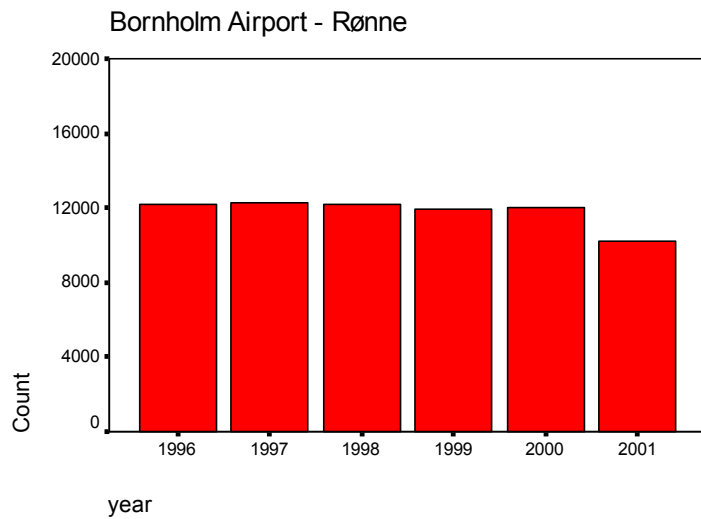
## Hourly Distribution of Observations



## Monthly Distribution of Observations



## Yearly Distribution of Observations



# 06180 Copenhagen Airport - Kastrup (EKCH)

Lat. 55.618°N Long. 12.656°E (55 37 05N 012 39 22E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	8.6	7.0 - 9.6
Mean Max. Temp (°C)	11.6	10.0 - 12.7
Max. Temp (°C)	28.0	25.0 - 28.0
Mean Min. Temp (°C)	5.3	3.8 - 6.2
Min. Temp (°C)	-11.3	-14.0 to -10.0
No. Days with Frost	77	50 - 122
Mean Relative Humidity (%)	83	79 - 86
No. Days with Fog	50	40 - 62
No. Days with Snow	31	18 - 62
Mean Wind-Speed (m/s)	5.4	5.1 - 5.7
Max. Wind-Speed (m/s)	19.3	16.5 - 26.3

Parameter (from Synop data)	Mean	Range
No. Clear Days	16	6 - 21
No. Cloudy Days	141	125 - 174
Precipitation (mm)	501	382 - 596
No. Days with Precip. > 0.1 mm	149	113 - 175
No. Days with Precip. > 1 mm	95	78 - 112
No. Days with Precip. > 10 mm	12	9 - 15
Highest 24-hour Precip. (mm)	31	23 - 49

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 101.697	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.2
150 - 350 m	0.3	0.1	-	-	-	-	0.4
350 - 600 m	0.3	0.2	0.1	-	-	0.1	0.7
600 - 800 m	0.1	0.2	-	-	-	-	0.5
800 - 1500 m	0.2	0.7	0.6	0.2	0.1	0.1	2.0
1.5 - 3.0 km	0.1	0.7	2.8	1.4	0.6	1.7	7.3
3.0 - 5.0 km	-	0.1	2.1	2.9	1.4	3.9	10.4
5.0 - 8.0 km	-	-	0.9	3.1	2.6	7.6	14.3
> 8.0 km	-	-	0.3	3.0	6.1	55.0	64.4
Total	1.2	2.0	6.8	10.7	10.8	68.5	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 20.915 (20.6 %), Clear/FEW/SCT: N = 24.476 (24.1 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 101.697	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.8	4.0	0.4	-	9.2
NE	3.7	2.6	0.1	-	6.4
E	5.2	6.4	0.3	-	11.9
SE	5.7	4.7	0.3	-	10.7
S	7.2	7.8	0.6	-	15.6
SW	6.7	8.3	1.0	-	16.0
W	9.8	10.9	1.5	0.1	22.4
NW	3.5	3.5	0.3	-	7.3
Calm	0.5	-	-	-	0.5
Total	47.1	48.2	4.6	0.1	100.0



# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs =26.288	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.2	0.1	-	-	-	-	0.3
350 - 600 m	0.1	0.2	-	-	-	0.1	0.5
600 - 800 m	0.1	0.2	-	-	-	0.1	0.4
800 - 1500 m	0.1	0.6	0.8	0.4	0.1	0.2	2.1
1.5 - 3.0 km	-	0.7	2.6	1.3	0.9	2.3	7.8
3.0 - 5.0 km	-	-	1.6	2.2	1.6	5.6	11.0
5.0 - 8.0 km	-	-	0.9	2.6	2.0	9.9	15.4
> 8.0 km	-	-	0.5	4.1	5.7	52.2	62.5
Total	0.6	1.8	6.5	10.5	10.3	70.3	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 7.872 (30.0 %), Clear/FEW/SCT: N = 5.570 (21.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs =26.288	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.5	5.8	0.6	-	12.9
NE	5.0	2.6	0.1	-	7.7
E	6.3	8.2	0.3	-	14.8
SE	6.2	4.9	0.3	-	11.3
S	8.2	6.2	0.4	-	14.7
SW	5.9	5.0	0.7	-	11.5
W	7.7	8.6	1.8	0.1	18.2
NW	3.6	4.5	0.4	-	8.5
Calm	0.5	-	-	-	0.5
Total	49.8	45.8	4.3	0.1	100.0

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 26.370	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.1	-	-	-	-	-	0.1
350 - 600 m	0.1	-	0.1	-	-	-	0.2
600 - 800 m	-	-	-	-	-	-	0.1
800 - 1500 m	-	0.1	0.1	-	-	-	0.2
1.5 - 3.0 km	-	0.1	0.4	0.3	0.1	0.6	1.6
3.0 - 5.0 km	-	-	0.5	0.7	0.4	2.5	4.2
5.0 - 8.0 km	-	-	0.4	0.9	0.9	7.2	9.4
> 8.0 km	-	-	0.1	1.1	3.2	79.8	84.2
Total	0.2	0.3	1.5	3.1	4.7	90.3	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 6.902 (26.2 %), Clear/FEW/SCT: N = 7.911 (21.8 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 26.370	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.2	3.1	-	-	9.3
NE	3.8	0.7	-	-	4.5
E	5.3	2.7	-	-	8.0
SE	6.9	4.0	0.1	-	11.0
S	8.9	6.9	-	-	15.8
SW	7.4	5.9	0.3	-	13.7
W	13.8	14.0	0.9	-	28.6
NW	4.0	4.2	0.2	-	8.4
Calm	0.7	-	-	-	0.7
Total	56.9	41.6	1.5	0.0	100.0

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 24.652	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.1	-	-	-	-	-	0.2
350 - 600 m	0.1	0.1	-	-	-	0.2	0.4
600 - 800 m	0.1	0.1	-	-	-	0.1	0.3
800 - 1500 m	0.1	0.4	0.5	0.2	-	0.2	1.4
1.5 - 3.0 km	-	0.4	2.2	1.8	0.6	1.9	7.0
3.0 - 5.0 km	-	-	1.7	3.4	1.6	4.2	10.9
5.0 - 8.0 km	-	-	0.6	2.6	2.8	7.4	13.5
> 8.0 km	-	-	0.1	1.7	5.5	58.9	66.3
<b>Total</b>	<b>0.4</b>	<b>1.1</b>	<b>5.3</b>	<b>9.8</b>	<b>10.6</b>	<b>72.9</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 3.471 (14.1 %), Clear/FEW/SCT: N = 6.118 (24.8 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 24.642	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	2.3	3.6	0.4	-	6.3
NE	2.3	3.6	0.1	-	6.1
E	5.5	10.3	0.5	-	16.3
SE	5.6	5.9	0.4	-	11.9
S	6.3	8.9	0.8	-	16.0
SW	7.0	10.2	1.0	0.1	18.3
W	8.9	9.5	1.2	-	19.6
NW	2.6	2.3	0.2	-	5.2
Calm	0.4	-	-	-	0.4
<b>Total</b>	<b>40.9</b>	<b>54.3</b>	<b>4.7</b>	<b>0.1</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 24.387	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.4	-	-	-	-	-	0.4
150 - 350 m	0.7	0.2	-	-	-	-	1.0
350 - 600 m	0.8	0.5	0.1	-	-	0.1	1.4
600 - 800 m	0.4	0.5	0.1	0.1	-	-	1.0
800 - 1500 m	0.6	1.5	1.0	0.2	0.1	0.1	3.6
1.5 - 3.0 km	0.3	1.5	5.0	1.9	0.7	1.6	11.1
3.0 - 5.0 km	-	0.2	4.0	4.5	1.7	3.3	13.7
5.0 - 8.0 km	-	-	1.5	5.5	4.1	6.4	17.5
> 8.0 km	-	-	0.4	4.6	8.9	36.6	50.4
<b>Total</b>	<b>3.2</b>	<b>4.3</b>	<b>12.1</b>	<b>16.8</b>	<b>15.5</b>	<b>48.1</b>	<b>100.0</b>

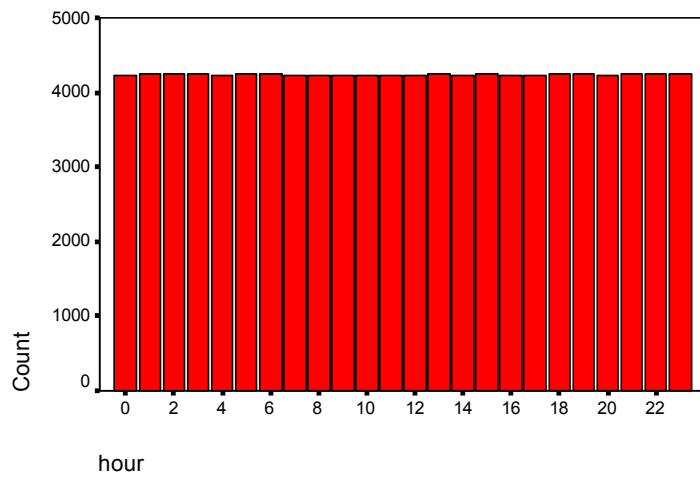
CAVOK or Sky Clear plus >10 km VIS: N = 2.670 (11.0 %), Clear/FEW/SCT: N = 4.877 (20.0 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 24.387	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	3.9	3.4	0.7	-	7.9
NE	3.7	3.5	0.4	-	7.6
E	3.8	4.5	0.4	-	8.8
SE	4.1	4.1	0.4	-	8.7
S	5.1	9.3	1.4	-	15.8
SW	6.6	12.6	2.2	0.1	21.4
W	8.7	11.3	2.2	0.2	22.4
NW	3.6	3.0	0.6	-	7.2
Calm	0.2	-	-	-	0.2
<b>Total</b>	<b>39.7</b>	<b>51.7</b>	<b>8.2</b>	<b>0.4</b>	<b>100.0</b>

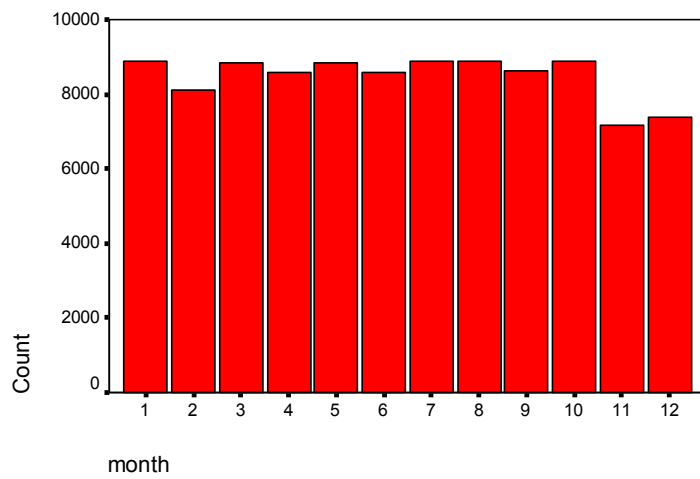
## Hourly Distribution of Observations

Copenhagen Airport - Kastrup



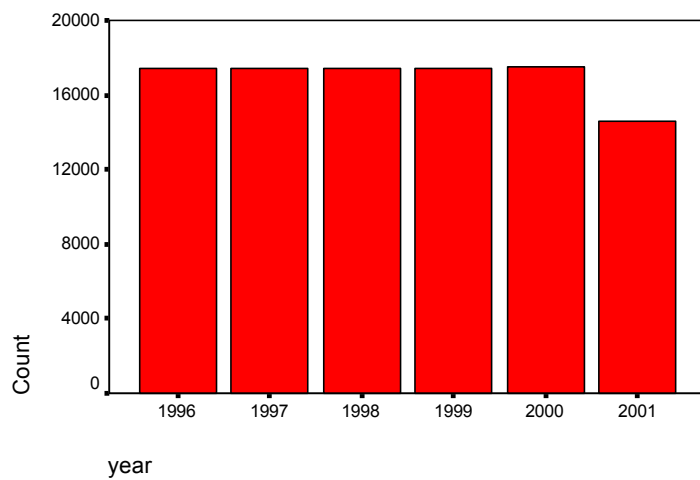
## Monthly Distribution of Observations

Copenhagen Airport - Kastrup



## Yearly Distribution of Observations

Copenhagen Airport - Kastrup



# 06170 Copenhagen-Roskilde Airport (EKRK)

Lat. 55.586°N Long. 12.131°E (55 35 08N 012 07 53E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	8.3	5.7 – 9.4
Mean Max. Temp (°C)	11.8	9.6 - 13.1
Max. Temp (°C)	29.3	27.0 – 32.0
Mean Min. Temp (°C)	4.4	2.7 – 5.3
Min. Temp (°C)	-13.2	-10.0 to -15.0
No. Days with Frost	82	55 – 128
Mean Relative Humidity (%)	84	83 – 85
No. Days with Fog	89	75 – 103
No. Days with Snow	34	21 – 63
Mean Wind-Speed (m/s)	4.9	4.7 – 5.2
Max. Wind-Speed (m/s)	19.7	16.0 - 24.2

Parameter (from Synop Data)	Mean	Range
No. Clear Days	15	4 - 24
No. Cloudy Days	150	134 - 181
Precipitation (mm)	518	321 – 589
No. Days with Precip. > 0.1 mm	158	110 - 180
No. Days with Precip. > 1 mm	100	62 – 119
No. Days with Precip. > 10 mm	12	8 – 14
Highest 24-hour Precip. (mm)	33.0	17 – 60

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 91.935	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.5	-	-	-	-	-	0.6
150 - 350 m	0.5	0.1	-	-	-	0.1	0.7
350 - 600 m	0.5	0.1	0.1	-	-	0.1	0.9
600 - 800 m	0.3	0.2	0.1	-	-	0.1	0.8
800 - 1500 m	0.4	0.8	1.1	0.4	0.1	0.6	3.4
1.5 - 3.0 km	0.1	0.8	3.8	2.2	0.7	3.0	10.6
3.0 - 5.0 km	-	0.1	2.4	3.5	1.5	5.5	13.0
5.0 - 8.0 km	-	-	1.1	3.5	2.3	7.3	14.3
> 8.0 km	-	-	0.4	3.0	5.2	47.1	55.8
Total	2.4	2.1	8.9	12.6	10.0	64.0	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 18.003 (19.6 %), Clear/FEW/SCT: N = 23.142 (25.2 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 91.935	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.0	2.4	0.1	-	8.5
NE	3.2	0.5	-	-	3.8
E	6.1	5.1	0.4	-	11.6
SE	7.8	7.7	0.6	-	16.2
S	7.4	3.3	0.2	-	10.9
SW	7.5	7.6	0.7	-	15.7
W	10.9	10.5	1.6	0.1	23.1
NW	5.2	4.0	0.5	-	9.7
Calm	0.6	-	-	-	0.6
Total	54.7	41.1	4.1	0.1	100.0

# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 23.857	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	-	0.4
150 - 350 m	0.3	-	-	-	-	0.1	0.4
350 - 600 m	0.5	0.1	0.1	-	-	0.1	0.8
600 - 800 m	0.4	0.2	-	-	-	0.1	0.7
800 - 1500 m	0.3	0.7	1.0	0.6	0.2	0.5	3.2
1.5 - 3.0 km	0.1	0.8	3.4	2.0	0.8	2.9	10.0
3.0 - 5.0 km	-	0.1	2.0	2.6	1.3	5.5	11.6
5.0 - 8.0 km	-	-	1.1	3.1	1.9	8.4	14.6
> 8.0 km	-	-	0.7	3.9	5.2	48.6	58.4
Total	1.9	2.0	8.4	12.2	9.4	66.2	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 6.874 (28.8 %), Clear/FEW/SCT: N = 5.212 (21.9 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 23.857	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.6	3.3	0.3	-	10.2
NE	3.6	0.6	-	-	4.2
E	7.7	7.5	0.5	-	15.6
SE	9.1	8.3	0.6	-	18.0
S	5.6	2.1	0.1	-	7.8
SW	5.9	5.0	0.5	-	11.4
W	8.7	9.4	2.1	0.1	20.3
NW	5.9	5.2	0.6	0.1	11.8
Calm	0.7	-	-	-	0.7
Total	53.8	41.3	4.7	0.2	100.0

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 23.470	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	0.1
150 - 350 m	0.1	-	-	-	-	-	0.1
350 - 600 m	0.1	-	-	-	-	-	0.2
600 - 800 m	0.1	-	-	-	-	-	0.1
800 - 1500 m	0.1	0.2	0.2	0.1	0.1	0.5	1.1
1.5 - 3.0 km	-	0.3	0.9	0.6	0.4	2.8	5.1
3.0 - 5.0 km	-	-	1.0	1.4	0.8	5.7	8.9
5.0 - 8.0 km	-	-	0.4	1.3	1.2	7.4	10.4
> 8.0 km	-	-	0.2	1.7	3.9	68.2	74.1
Total	0.4	0.6	2.9	5.1	6.3	84.7	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 5.589 (23.8 %), Clear/FEW/SCT: N = 7.296 (31.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 23.470	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.7	1.3	-	-	7.1
NE	2.5	0.2	-	-	2.6
E	6.2	2.3	-	-	8.6
SE	9.3	7.5	0.3	-	17.1
S	6.4	1.2	-	-	7.6
SW	8.3	4.6	0.1	-	13.0
W	16.9	13.3	0.6	-	30.8
NW	6.8	5.1	0.2	-	12.0
Calm	1.3	-	-	-	1.3
Total	63.3	35.4	1.3	-	100.0

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 22.434	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	0.1	0.4
150 - 350 m	0.1	-	-	-	-	0.2	0.4
350 - 600 m	0.2	0.1	-	-	-	0.2	0.6
600 - 800 m	0.2	0.2	-	-	-	0.2	0.7
800 - 1500 m	0.2	0.8	1.0	0.3	0.1	0.7	3.1
1.5 - 3.0 km	-	0.4	3.4	3.0	0.9	3.7	11.4
3.0 - 5.0 km	-	0.1	1.8	4.3	1.9	6.5	14.5
5.0 - 8.0 km	-	-	0.8	3.1	2.7	7.4	14.0
> 8.0 km	-	-	0.1	1.6	4.6	48.4	54.8
Total	1.0	1.6	7.2	12.4	10.3	67.4	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 2.892 (12.9 %), Clear/FEW/SCT: N = 5.906 (26.3 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 22.434	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.4	1.9	-	-	7.4
NE	3.2	0.6	-	-	3.8
E	6.8	7.9	0.6	-	15.3
SE	7.7	9.0	0.9	-	17.6
S	10.0	5.0	0.3	-	15.2
SW	7.9	8.5	0.5	-	16.9
W	8.4	7.7	1.2	-	17.4
NW	3.4	2.5	0.3	-	6.2
Calm	0.2	-	-	-	0.2
Total	53.1	43.1	3.9	-	100.0

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

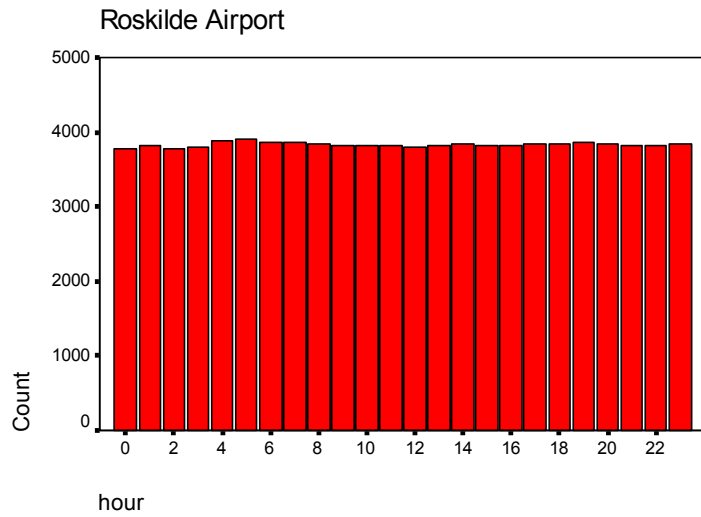
No. Obs = 22.174	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	1.2	-	-	-	-	-	1.3
150 - 350 m	1.4	0.2	0.1	-	0.1	-	1.8
350 - 600 m	1.1	0.3	0.1	0.1	-	0.2	1.7
600 - 800 m	0.6	0.3	0.2	-	0.1	0.1	1.3
800 - 1500 m	0.8	1.4	1.8	0.5	0.1	0.8	5.4
1.5 - 3.0 km	0.3	1.3	6.4	2.9	0.8	2.6	14.2
3.0 - 5.0 km	0.1	0.1	4.3	4.8	1.8	4.4	15.6
5.0 - 8.0 km	-	-	1.8	5.8	3.2	6.4	17.2
> 8.0 km	-	-	0.6	4.5	6.8	29.5	41.4
Total	5.5	3.7	15.3	18.6	12.8	44.1	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 2.648 (11.9 %), Clear/FEW/SCT: N = 4.728 (21.3 %)

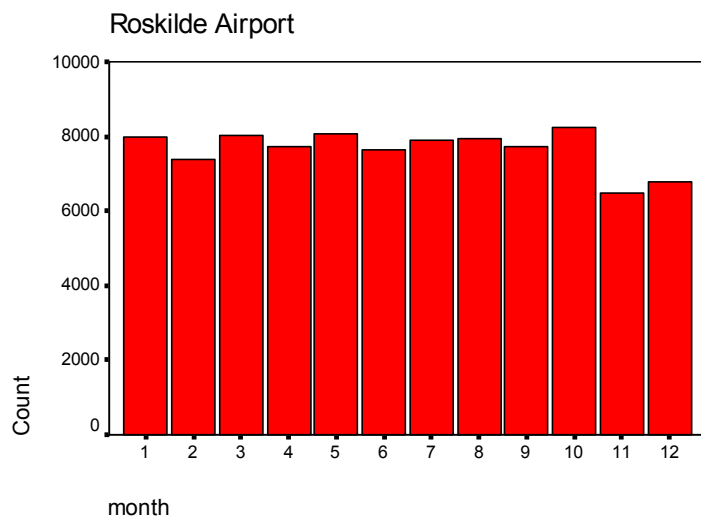
## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 22.174	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.3	2.9	0.1	-	9.3
NE	3.6	0.8	0.1	-	4.4
E	3.7	2.6	0.5	-	6.9
SE	5.1	6.1	0.7	-	11.8
S	7.9	4.9	0.5	-	13.3
SW	7.9	12.6	1.6	0.1	22.1
W	9.2	11.7	2.4	0.3	23.6
NW	4.5	3.1	0.8	-	8.3
Calm	0.2	-	-	-	0.2
Total	48.3	44.7	6.5	0.4	100.0

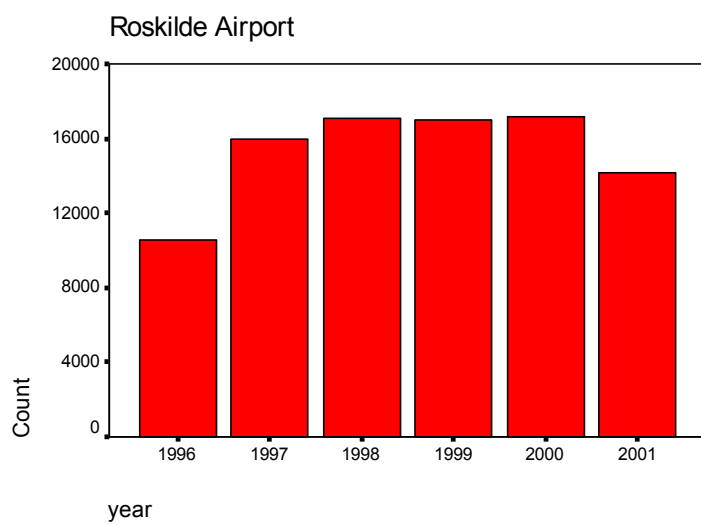
## Hourly Distribution of Observations



## Monthly Distribution of Observations



## Yearly Distribution of Observations



# 06080 Esbjerg Airport (EKEB)

Lat. 55.526°N Long. 8.553°E (55 31 33N 008 33 12E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	9.1	7.2 – 10.1
Mean Max. Temp (°C)	11.7	10.0 - 12.5
Max. Temp (°C)	28.7	27.0 – 31.0
Mean Min. Temp (°C)	5.6	3.6 – 6.7
Min. Temp (°C)	-13.7	-9.0 to -17.0
No. Days with Frost	66	31 – 120
Mean Relative Humidity (%)	86	82 – 89
No. Days with Fog	59	44 – 72
No. Days with Snow	24	18 – 45
Mean Wind-Speed (m/s)	5.1	4.9 – 5.4
Max. Wind-Speed (m/s)	20.9	14.9 - 30.4

Parameter (from Synop Data)	Mean	Range
No. Clear Days	13	2 - 21
No. Cloudy Days	78	38 - 116
Precipitation (mm)	864	613 - 1125
No. Days with Precip. > 0.1 mm	199	159 - 217
No. Days with Precip. > 1 mm	132	97 – 158
No. Days with Precip. > 10 mm	25	17 - 35
Highest 24-hour Precip. (mm)	38	26 - 54

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 72.925	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	0.1	-	-	-	-	0.3
150 - 350 m	0.1	0.4	-	-	-	-	0.5
350 - 600 m	0.1	0.3	0.1	-	-	0.1	0.5
600 - 800 m	0.1	0.2	0.1	-	-	-	0.4
800 - 1500 m	0.3	1.1	0.6	0.2	0.1	0.3	2.6
1.5 - 3.0 km	0.1	1.8	4.0	2.1	0.5	1.8	10.3
3.0 - 5.0 km	-	0.3	2.9	4.2	1.3	4.6	13.4
5.0 - 8.0 km	-	-	1.1	4.1	2.1	6.9	14.3
> 8.0 km	-	-	0.5	3.8	5.9	47.5	57.7
Total	0.8	4.2	9.2	14.4	9.9	61.4	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 14.015 (19.2 %), Clear/FEW/SCT: N = 19.719 (27.0 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 72.925	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.9	2.0	0.1	-	6.9
NE	3.6	1.7	0.1	-	5.4
E	7.9	6.2	0.1	-	14.1
SE	7.3	4.4	0.1	-	11.9
S	8.2	5.1	0.2	-	13.5
SW	6.1	7.0	0.7	-	13.8
W	7.5	10.7	2.0	0.1	20.4
NW	5.2	7.1	1.1	0.1	13.5
Calm	0.5	-	-	-	0.5
Total	51.2	44.2	4.4	0.3	100.0



# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 18.725	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	0.1	-	-	-	-	0.1
150 - 350 m	0.1	0.2	-	-	-	-	0.3
350 - 600 m	-	0.2	0.1	-	-	0.1	0.4
600 - 800 m	0.1	0.2	0.1	-	-	-	0.4
800 - 1500 m	0.4	1.0	0.8	0.2	0.1	0.2	2.6
1.5 - 3.0 km	0.2	2.7	4.1	2.4	0.4	1.5	11.2
3.0 - 5.0 km	-	0.4	3.4	3.7	1.4	4.8	13.8
5.0 - 8.0 km	-	-	1.4	4.4	1.9	6.9	14.6
> 8.0 km	-	-	0.5	5.2	6.7	44.2	56.7
<b>Total</b>	<b>0.8</b>	<b>4.9</b>	<b>10.3</b>	<b>16.0</b>	<b>10.4</b>	<b>57.7</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 4.801 (25.6 %), Clear/FEW/SCT: N = 4.412 (23.6 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 18.725	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.6	3.0	0.1	-	8.6
NE	4.2	2.6	-	-	6.9
E	7.7	9.8	0.1	-	17.7
SE	5.4	3.8	0.2	-	9.4
S	6.8	3.8	-	-	10.6
SW	4.9	5.9	0.4	-	11.3
W	6.9	9.5	2.7	-	19.2
NW	5.6	8.6	1.7	0.1	15.9
Calm	0.5	-	-	-	0.5
<b>Total</b>	<b>47.6</b>	<b>47.1</b>	<b>5.2</b>	<b>0.1</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 18.879	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	-	-	-	-	-	-
600 - 800 m	-	0.1	-	-	-	-	0.1
800 - 1500 m	0.1	0.1	-	0.1	-	0.1	0.4
1.5 - 3.0 km	-	0.1	1.1	0.7	0.1	0.8	2.8
3.0 - 5.0 km	-	0.1	1.2	2.0	0.4	2.7	6.4
5.0 - 8.0 km	-	-	0.8	2.5	1.2	4.9	9.4
> 8.0 km	-	-	0.4	3.8	7.9	68.7	80.8
<b>Total</b>	<b>0.1</b>	<b>0.4</b>	<b>3.5</b>	<b>9.0</b>	<b>9.7</b>	<b>77.3</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 4.168 (22.1 %), Clear/FEW/SCT: N = 5.306 (28.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 18.879	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	3.8	0.5	0.1	-	4.4
NE	2.8	0.6	-	-	3.4
E	8.2	2.4	-	-	10.6
SE	7.8	2.9	-	-	10.7
S	7.2	1.4	-	-	8.6
SW	7.9	6.6	0.3	-	14.7
W	11.1	14.1	0.9	-	26.1
NW	7.5	12.0	1.0	-	20.5
Calm	1.0	-	-	-	1.0
<b>Total</b>	<b>57.3</b>	<b>40.4</b>	<b>2.3</b>	<b>-</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 17.892	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	-	0.1	-	-	-	-	0.2
350 - 600 m	0.1	0.2	0.1	-	-	-	0.4
600 - 800 m	0.1	0.1	-	-	-	-	0.3
800 - 1500 m	0.2	0.6	0.6	0.2	-	0.3	1.9
1.5 - 3.0 km	0.1	1.1	3.8	2.7	0.5	2.4	10.5
3.0 - 5.0 km	-	0.2	2.2	4.8	1.7	5.8	14.8
5.0 - 8.0 km	-	-	0.6	4.2	2.9	8.7	16.2
> 8.0 km	-	-	0.2	2.6	3.8	49.0	55.6
<b>Total</b>	<b>0.5</b>	<b>2.4</b>	<b>7.4</b>	<b>14.4</b>	<b>9.0</b>	<b>66.3</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 2.513 (14.1 %), Clear/FEW/SCT: N = 5.315 (29.7 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

N = 17.892	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.2	1.8	-	-	7.0
NE	3.7	1.6	-	-	5.2
E	9.1	7.0	-	-	16.2
SE	9.2	6.5	0.1	-	15.8
S	9.9	7.3	0.4	-	17.6
SW	5.6	5.6	0.5	-	11.8
W	6.4	8.8	1.7	0.2	17.1
NW	4.1	4.0	0.8	0.1	9.0
Calm	0.3	-	-	-	0.3
<b>Total</b>	<b>53.4</b>	<b>42.7</b>	<b>3.6</b>	<b>0.3</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

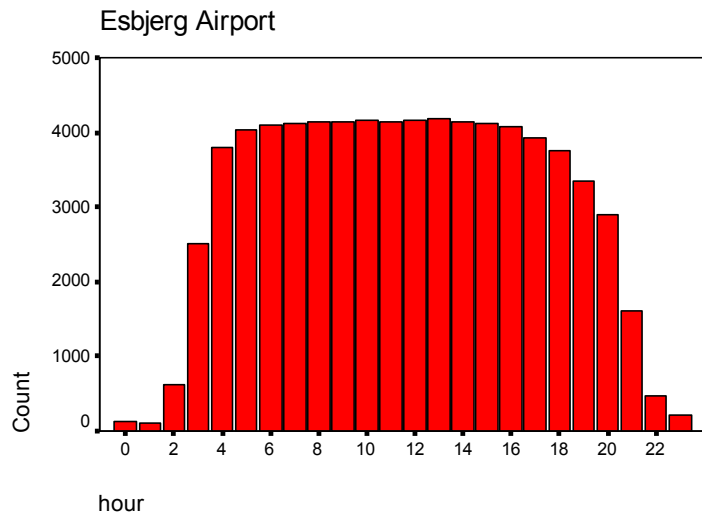
No. Obs = 17.429	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.5	0.1	-	-	-	0.1	0.7
150 - 350 m	0.3	1.1	-	-	-	0.1	1.5
350 - 600 m	0.3	0.7	0.2	-	-	0.1	1.3
600 - 800 m	0.2	0.5	0.2	0.1	-	0.1	1.0
800 - 1500 m	0.5	2.6	1.1	0.5	-	0.4	5.2
1.5 - 3.0 km	0.2	3.1	6.7	2.4	1.0	2.6	16.0
3.0 - 5.0 km	-	0.5	4.6	6.1	1.7	5.2	18.1
5.0 - 8.0 km	-	0.1	1.8	5.2	2.5	7.1	16.7
> 8.0 km	-	-	0.8	3.7	5.4	29.6	39.5
<b>Total</b>	<b>2.0</b>	<b>8.7</b>	<b>15.3</b>	<b>18.0</b>	<b>10.7</b>	<b>45.3</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 2.533 (14.5 %), Clear/FEW/SCT: N = 4.686 (26.9 %)

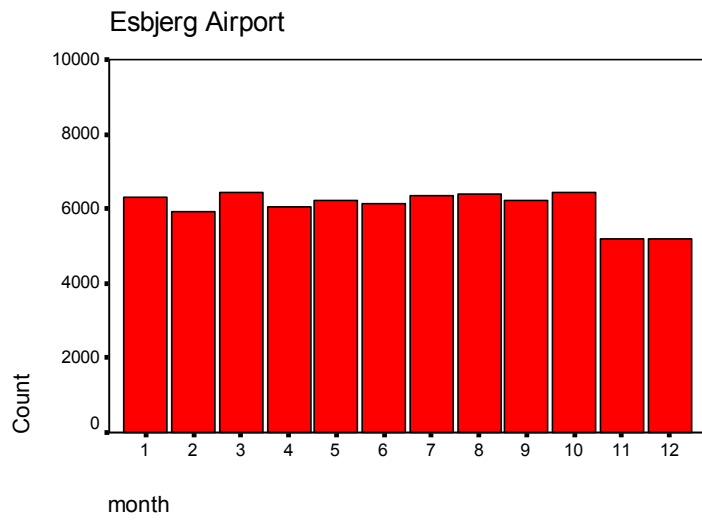
## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 17.429	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.1	2.6	0.1	-	7.8
NE	3.7	2.1	0.3	-	6.1
E	6.4	5.5	0.1	-	11.9
SE	7.1	4.7	-	-	11.8
S	9.0	8.4	0.3	-	17.6
SW	5.8	10.0	1.8	0.1	17.8
W	5.4	10.3	2.9	0.3	18.9
NW	3.5	3.2	1.0	0.2	7.8
Calm	0.1	-	-	-	0.2
<b>Total</b>	<b>46.1</b>	<b>46.8</b>	<b>6.5</b>	<b>0.6</b>	<b>100.0</b>

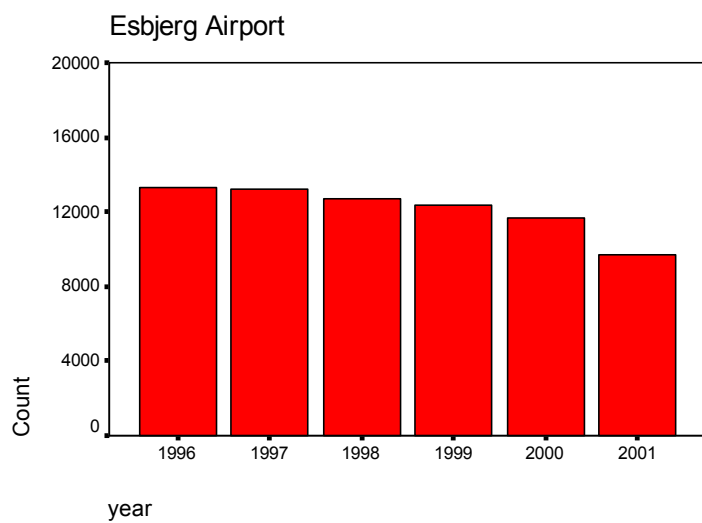
## Hourly Distribution of Observations



## Monthly Distribution of Observations



## Yearly Distribution of Observations



# 06060 Karup Airport – (EKKA)

Lat. 56.298°N Long. 9.125°E (56 17 51N 009 07 29E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	8.5	6.9 – 9.2
Mean Max. Temp (°C)	11.8	10.4 - 12.6
Max. Temp (°C)	29.5	29.0 – 31.0
Mean Min. Temp (°C)	4.8	3.0 – 5.8
Min. Temp (°C)	-14.3	-12.0 to -16.0
No. Days with Frost	77	45 – 126
Mean Relative Humidity (%)	87	85 – 88
No. Days with Fog	93	83 – 107
No. Days with Snow	32	22 – 55
Mean Wind-Speed (m/s)	4.4	4.0 – 4.7
Max. Wind-Speed (m/s)	20.2	13.4 - 25.0

Parameter (from Synop Data)	Mean	Range
No. Clear Days	12	3 – 20
No. Cloudy Days	162	148 - 183
Precipitation (mm)	845	513 - 1062
No. Days with Precip. > 0.1 mm	188	143 – 209
No. Days with Precip. > 1 mm	137	90 - 162
No. Days with Precip. > 10 mm	26	18 – 33
Highest 24-hour Precip. (mm)	34	24 – 47

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 101.290	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	-	0.3
150 - 350 m	0.7	-	-	-	-	0.1	0.9
350 - 600 m	0.9	0.2	0.1	-	-	0.1	1.3
600 - 800 m	0.4	0.2	0.1	-	-	0.1	0.8
800 - 1500 m	0.5	0.8	1.0	0.2	0.1	0.4	2.8
1.5 - 3.0 km	0.1	0.8	5.5	3.5	0.9	3.1	13.8
3.0 - 5.0 km	-	0.1	2.7	5.5	2.6	6.0	16.9
5.0 - 8.0 km	-	-	0.6	3.3	2.9	9.3	16.1
> 8.0 km	-	-	0.1	2.1	4.8	40.0	47.0
Total	2.9	2.1	10.1	14.7	11.2	59.1	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 14.903 (14.7 %), Clear/FEW/SCT: N = 23.873 (23.6 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 101.290	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.3	1.4	-	-	6.8
NE	3.3	1.7	0.1	-	5.1
E	7.4	5.5	0.3	-	13.2
SE	7.9	3.3	-	-	11.3
S	12.8	3.5	-	-	16.3
SW	11.7	6.1	0.3	-	18.1
W	10.2	9.2	0.7	-	20.2
NW	4.3	3.4	0.5	-	8.3
Calm	0.7	-	-	-	0.7
Total	63.6	34.2	2.1	0.1	100.0

# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 26.192	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	-	0.3
150 - 350 m	0.5	-	-	-	-	-	0.6
350 - 600 m	0.8	0.3	0.1	-	-	-	1.2
600 - 800 m	0.4	0.3	0.2	-	-	0.1	1.0
800 - 1500 m	0.4	0.8	1.3	0.3	0.1	0.4	3.3
1.5 - 3.0 km	-	0.8	5.9	3.2	0.5	2.1	12.5
3.0 - 5.0 km	-	-	2.9	5.4	1.9	5.7	16.1
5.0 - 8.0 km	-	-	0.7	3.9	2.9	9.5	17.0
> 8.0 km	-	-	0.2	2.9	5.9	39.0	48.0
<b>Total</b>	<b>2.4</b>	<b>2.3</b>	<b>11.4</b>	<b>15.9</b>	<b>11.2</b>	<b>56.8</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 5.296 (20.2 %), Clear/FEW/SCT: N = 5.779 (22.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 26.192	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.5	2.5	0.1	-	9.1
NE	4.2	2.3	0.1	-	6.7
E	8.4	8.1	0.3	-	16.8
SE	7.2	3.2	-	-	10.3
S	9.4	2.4	-	-	11.8
SW	9.0	5.1	0.2	-	14.4
W	9.5	8.9	1.0	-	19.4
NW	5.4	4.6	0.7	-	10.7
Calm	0.8	-	-	-	0.8
<b>Total</b>	<b>60.5</b>	<b>37.0</b>	<b>2.4</b>	<b>0.1</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 26.267	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	-	0.4
150 - 350 m	0.3	-	-	-	-	0.1	0.5
350 - 600 m	0.2	-	-	-	-	0.1	0.4
600 - 800 m	0.1	-	-	-	-	0.1	0.2
800 - 1500 m	0.1	0.1	0.2	-	-	0.2	0.7
1.5 - 3.0 km	-	0.2	1.9	1.5	0.6	2.1	6.3
3.0 - 5.0 km	-	-	1.3	2.5	1.1	4.2	9.2
5.0 - 8.0 km	-	-	0.4	2.4	1.6	8.2	12.7
> 8.0 km	-	-	0.2	2.5	5.3	61.7	69.7
<b>Total</b>	<b>1.1</b>	<b>0.4</b>	<b>4.1</b>	<b>9.1</b>	<b>8.6</b>	<b>76.8</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 5.278 (20.1 %), Clear/FEW/SCT: N = 6.964 (26.5 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 26.267	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.9	0.7	-	-	5.6
NE	2.1	0.8	-	-	2.9
E	6.8	2.6	0.1	-	9.6
SE	7.4	2.6	0.1	-	10.1
S	11.1	1.2	-	-	12.3
SW	13.8	4.5	0.1	-	18.4
W	16.3	13.1	0.3	-	29.7
NW	5.2	4.4	0.3	-	9.9
Calm	1.5	-	-	-	1.5
<b>Total</b>	<b>69.2</b>	<b>29.9</b>	<b>0.9</b>	<b>-</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 24.617	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	-	0.2
150 - 350 m	0.5	-	-	-	-	-	0.6
350 - 600 m	0.6	0.1	-	-	-	0.1	0.9
600 - 800 m	0.2	0.1	0.1	-	-	0.1	0.5
800 - 1500 m	0.2	0.6	1.0	0.2	0.1	0.6	2.8
1.5 - 3.0 km	-	0.3	4.4	4.5	1.4	4.5	15.2
3.0 - 5.0 km	-	-	1.8	5.6	3.6	7.4	18.4
5.0 - 8.0 km	-	-	0.3	2.2	2.9	10.8	16.2
> 8.0 km	-	-	0.1	1.1	3.0	41.0	45.2
<b>Total</b>	<b>1.7</b>	<b>1.3</b>	<b>7.5</b>	<b>13.7</b>	<b>11.1</b>	<b>64.7</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 2.325 (9.4 %), Clear/FEW/SCT: N = 6.090 (24.7 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 24.617	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.6	1.1	-	-	5.7
NE	3.5	1.6	-	-	5.1
E	8.5	7.2	0.2	-	15.9
SE	9.8	4.8	-	-	14.6
S	17.1	4.8	0.1	-	22.0
SW	10.9	4.3	0.2	-	15.4
W	7.9	6.2	0.5	-	14.7
NW	3.3	2.5	0.5	-	6.3
Calm	0.3	-	-	-	0.3
<b>Total</b>	<b>66.0</b>	<b>32.4</b>	<b>1.6</b>	<b>-</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

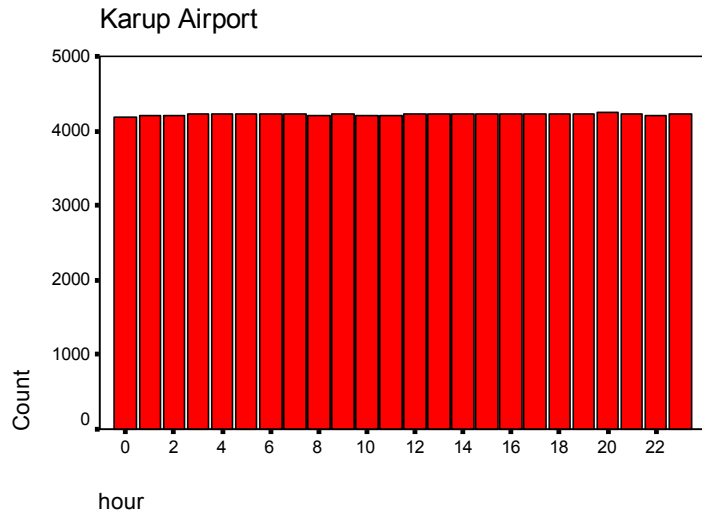
No. Obs = 24.214	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	-	0.4
150 - 350 m	1.6	0.1	-	-	-	0.1	1.8
350 - 600 m	1.8	0.4	0.1	-	-	0.1	2.4
600 - 800 m	0.9	0.4	0.1	-	-	0.1	1.5
800 - 1500 m	1.0	1.4	1.2	0.1	0.1	0.4	4.2
1.5 - 3.0 km	0.3	1.6	9.1	4.3	1.0	3.4	19.7
3.0 - 5.0 km	-	0.1	4.7	8.0	3.3	6.4	22.5
5.0 - 8.0 km	-	-	0.9	4.6	4.0	8.5	18.1
> 8.0 km	-	-	0.1	1.8	5.1	22.3	29.4
<b>Total</b>	<b>5.8</b>	<b>4.0</b>	<b>16.3</b>	<b>19.0</b>	<b>13.6</b>	<b>41.3</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 2.004 (8.3 %), Clear/FEW/SCT: N = 5.040 (20.8 %)

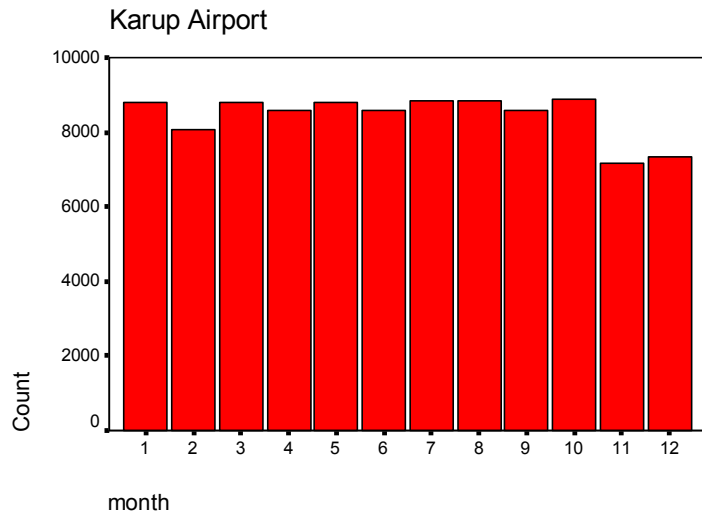
## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 24.214	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.2	1.4	-	-	6.5
NE	3.3	2.3	0.3	-	5.9
E	5.8	4.2	0.5	-	10.5
SE	7.4	2.9	-	-	10.3
S	13.8	5.9	0.1	-	19.8
SW	13.0	10.6	0.8	-	24.5
W	6.7	8.4	1.0	0.1	16.3
NW	3.2	2.1	0.6	0.1	6.0
Calm	0.2	-	-	-	0.2
<b>Total</b>	<b>58.6</b>	<b>37.7</b>	<b>3.4</b>	<b>0.3</b>	<b>100.0</b>

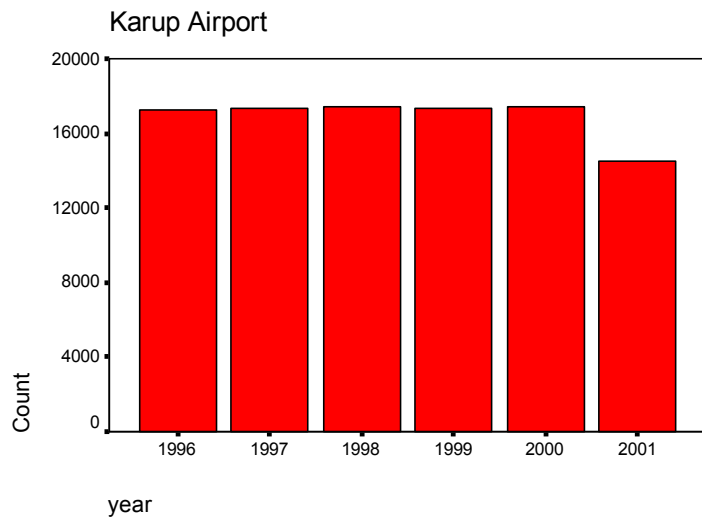
## Hourly Distribution of Observations



## Monthly Distribution of Observations



## Yearly Distribution of Observations



# 06143 Lolland-Falster Airport - Maribo (EKMB)

Lat. 54.699°N Long. 11.440°E (54 41 58N 011 26 24E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	9.4	7.0 – 10.5
Mean Max. Temp (°C)	11.3	9.1 - 12.2
Max. Temp (°C)	28.7	27.0 – 30.0
Mean Min. Temp (°C)	7.6	5.0 – 8.7
Min. Temp (°C)	-10.3	-14.0 to -5.0
No. Days with Frost	43	8 – 106
Mean Relative Humidity (%)	80	78 – 84
No. Days with Fog	26	16 – 35
No. Days with Snow	17	7 – 30
Mean Wind-Speed (m/s)	5.4	4.7 – 6.0
Max. Wind-Speed (m/s)	20.7	14.4 - 30.0

Parameter (from Synop Data)	Mean	Range
No. Clear Days	-	-
No. Cloudy Days	-	-
Precipitation (mm)	-	-
No. Days with Precip. > 0.1 mm	-	-
No. Days with Precip. > 1 mm	-	-
No. Days with Precip. > 10 mm	-	-
Highest 24-hour Precip. (mm)	-	-

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 23.930	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.6	0.1	-	-	-	-	0.8
350 - 600 m	0.2	0.3	0.1	-	-	-	0.6
600 - 800 m	-	0.1	0.1	-	-	-	0.3
800 - 1500 m	0.1	0.7	2.3	0.2	-	0.1	3.4
1.5 - 3.0 km	-	0.5	7.0	3.9	1.1	1.5	13.9
3.0 - 5.0 km	-	-	2.4	4.7	1.9	3.3	12.3
5.0 - 8.0 km	-	-	0.7	4.1	3.7	7.8	16.3
> 8.0 km	-	-	0.2	3.3	9.4	39.4	52.4
Total	0.9	1.8	12.8	16.2	16.2	52.1	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 4.506 (18.8 %), Clear/FEW/SCT: N = 5.819 (24.3 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 23.930	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.5	2.5	0.1	-	7.2
NE	2.7	1.8	0.2	-	4.7
E	6.4	9.1	1.0	-	16.5
SE	6.0	3.2	-	-	9.2
S	7.0	6.7	0.6	-	14.3
SW	6.8	11.6	1.3	0.1	19.8
W	7.5	11.8	1.4	0.1	20.8
NW	3.3	2.7	0.3	-	6.3
Calm	1.1	-	-	-	1.2
Total	45.3	49.4	5.0	0.3	100.0



# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 6.192	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.3	-	-	-	-	-	0.3
350 - 600 m	0.2	0.2	0.1	-	-	-	0.5
600 - 800 m	-	0.2	0.2	-	-	-	0.3
800 - 1500 m	0.1	0.9	2.3	0.2	-	-	3.6
1.5 - 3.0 km	-	0.7	7.8	4.2	0.8	1.8	15.5
3.0 - 5.0 km	-	-	2.7	4.9	1.6	3.8	13.0
5.0 - 8.0 km	-	-	1.0	4.7	3.2	7.3	16.2
> 8.0 km	-	-	0.2	3.5	8.1	38.9	50.7
<b>Total</b>	<b>0.6</b>	<b>2.1</b>	<b>14.3</b>	<b>17.6</b>	<b>13.7</b>	<b>51.8</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 1.545 (25.0 %), Clear/FEW/SCT: N = 1.319 (21.3 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 6.192	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.1	3.0	0.2	-	7.3
NE	2.9	3.3	0.1	-	6.4
E	5.9	14.1	2.0	-	22.0
SE	5.1	3.5	-	-	8.6
S	6.4	5.5	0.4	-	12.3
SW	5.8	8.1	0.8	0.1	14.8
W	5.9	12.2	1.6	0.1	19.8
NW	3.0	4.5	0.6	0.1	8.1
Calm	0.6	-	-	-	0.6
<b>Total</b>	<b>39.6</b>	<b>54.3</b>	<b>5.8</b>	<b>0.3</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 5.822	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	0.1	-	-	-	-	-	0.1
600 - 800 m	-	-	-	-	-	-	-
800 - 1500 m	-	-	-	0.1	-	-	0.1
1.5 - 3.0 km	-	-	0.7	0.4	0.4	0.4	1.9
3.0 - 5.0 km	-	-	0.7	0.9	0.8	2.2	4.6
5.0 - 8.0 km	-	-	0.7	3.2	1.9	8.3	14.0
> 8.0 km	-	-	0.1	2.1	11.8	65.1	79.2
<b>Total</b>	<b>0.1</b>	<b>-</b>	<b>2.3</b>	<b>6.7</b>	<b>14.9</b>	<b>76.0</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 1.300 (22.3 %), Clear/FEW/SCT: N = 1.764 (30.3 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. obs = 5.822	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.4	1.2	-	-	5.6
NE	2.1	1.2	0.1	-	3.4
E	5.7	7.6	0.3	-	13.5
SE	5.7	2.3	-	-	8.1
S	6.6	3.2	0.1	-	9.8
SW	8.9	11.0	0.2	-	20.1
W	10.9	17.9	1.2	-	30.0
NW	4.8	2.9	-	-	7.7
Calm	1.8	-	-	-	1.8
<b>Total</b>	<b>50.9</b>	<b>47.2</b>	<b>1.8</b>	<b>0.1</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 5.932	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.1	-	-	-	-	0.1	0.2
350 - 600 m	0.1	0.1	0.1	-	-	-	0.3
600 - 800 m	-	0.1	-	-	-	-	0.1
800 - 1500 m	0.2	0.3	2.5	-	-	0.2	3.2
1.5 - 3.0 km	-	0.3	6.9	3.8	0.8	2.1	13.8
3.0 - 5.0 km	0.1	0.1	1.8	5.6	2.1	3.8	13.4
5.0 - 8.0 km	-	-	0.4	3.6	4.8	8.0	16.8
> 8.0 km	-	-	0.3	3.4	8.2	40.2	52.1
<b>Total</b>	<b>0.5</b>	<b>1.0</b>	<b>12.0</b>	<b>16.4</b>	<b>15.8</b>	<b>54.3</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 870 (14.7 %), Clear/FEW/SCT: N = 1.500 (25.3 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 5.932	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.3	3.1	-	-	7.4
NE	3.1	1.0	-	-	4.1
E	7.0	8.6	1.2	-	16.8
SE	7.4	4.5	0.1	-	11.9
S	8.3	7.9	1.3	0.1	17.5
SW	6.6	12.7	1.3	0.1	20.7
W	7.0	7.7	1.2	0.2	16.1
NW	2.5	1.7	0.1	-	4.2
Calm	1.2	-	-	-	1.2
<b>Total</b>	<b>47.2</b>	<b>47.1</b>	<b>5.2</b>	<b>0.5</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 5.984	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	1.6	0.5	0.1	0.1	-	-	2.2
350 - 600 m	0.3	0.9	0.3	-	-	-	1.5
600 - 800 m	0.1	0.2	0.1	0.1	-	-	0.5
800 - 1500 m	0.1	1.3	3.8	0.6	0.1	0.1	5.8
1.5 - 3.0 km	-	0.7	10.7	6.1	1.9	1.5	21.0
3.0 - 5.0 km	-	0.1	3.7	6.3	2.8	3.2	16.0
5.0 - 8.0 km	-	-	0.7	4.6	4.5	7.8	17.6
> 8.0 km	-	-	0.3	3.8	10.1	21.2	35.3
<b>Total</b>	<b>2.1</b>	<b>3.6</b>	<b>19.6</b>	<b>21.6</b>	<b>19.4</b>	<b>33.7</b>	<b>100.0</b>

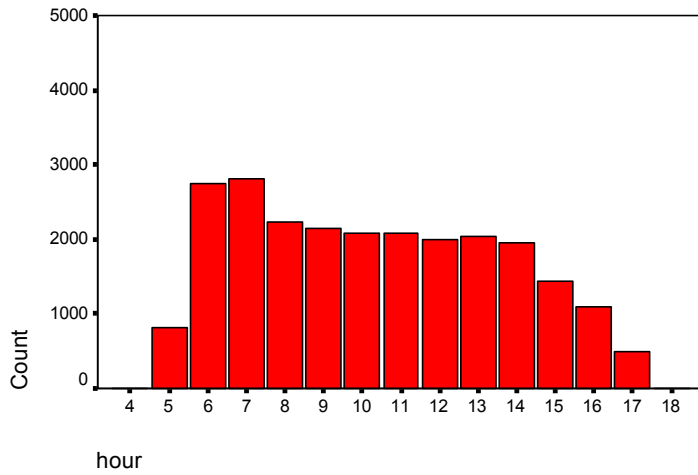
CAVOK or Sky Clear plus >10 km VIS: N = 791 (13.2 %), Clear/FEW/SCT: N = 1.236 (20.7 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 5.984	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.2	2.9	0.3	-	8.5
NE	2.9	1.7	0.4	-	5.0
E	6.9	5.8	0.4	-	13.2
SE	5.7	2.5	0.1	-	8.2
S	6.6	10.2	0.8	-	17.5
SW	6.1	14.7	2.8	0.1	23.8
W	6.4	9.3	1.7	0.2	17.6
NW	3.0	1.8	0.4	-	5.2
Calm	1.0	-	-	-	1.0
<b>Total</b>	<b>43.8</b>	<b>48.9</b>	<b>6.9</b>	<b>0.3</b>	<b>100.0</b>

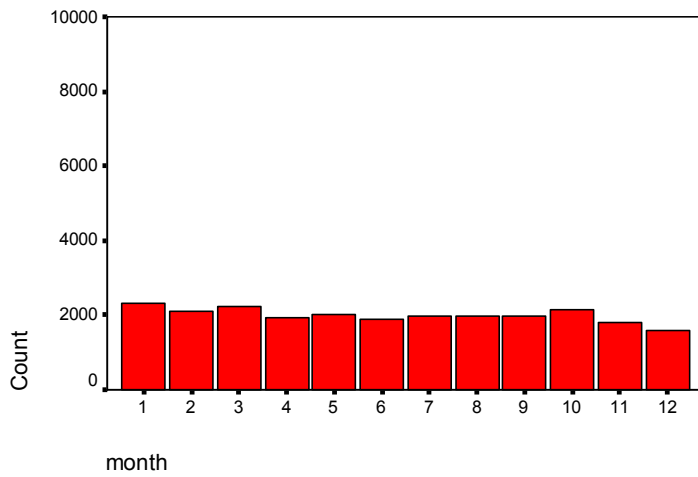
## Hourly Distribution of Observations

Lolland-Falster Airport - Maribo



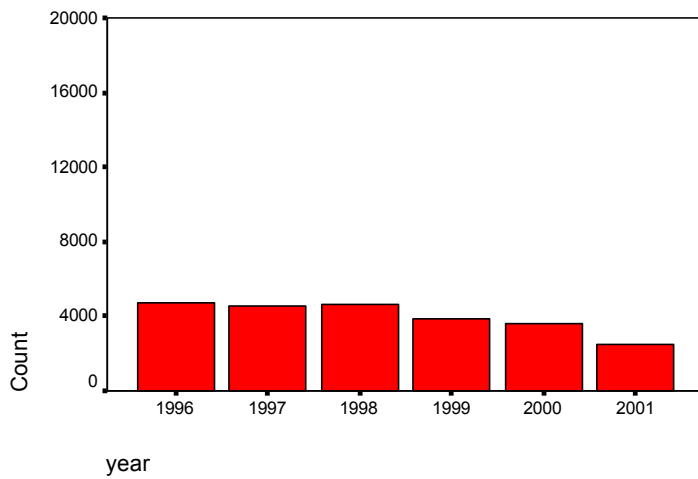
## Monthly Distribution of Observations

Lolland-Falster Airport - Maribo



## Yearly Distribution of Observations

Lolland-Falster Airport - Maribo



# 06120 Odense Airport (EKOD)

Lat. 55.477°N Long. 10.331°E (55 28 36N 010 19 51E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	9.4	7.2 – 10.9
Mean Max. Temp (°C)	12.2	10.5 - 13.1
Max. Temp (°C)	30.0	28.0 – 32.0
Mean Min. Temp (°C)	6.5	4.3 – 8.3
Min. Temp (°C)	-11.8	-8.0 to -15.0
No. Days with Frost	57	14 – 114
Mean Relative Humidity (%)	84	80 – 85
No. Days with Fog	41	17 – 69
No. Days with Snow	20	9 – 43
Mean Wind-Speed (m/s)	5.3	5.0 – 5.7
Max. Wind-Speed (m/s)	20.5	14.4 - 28.3

Parameter (from Synop Data)	Mean	Range
No. Clear Days (1996-1998)	21	9 - 33
No. Cloudy Days (1996-1998)	128	125 - 130
Precipitation (mm)	530	379 - 650
No. Days with Precip. > 0.1 mm	157	107 - 180
No. Days with Precip. > 1 mm	105	69 – 129
No. Days with Precip. > 10 mm	13	11 - 19
Highest 24-hour Precip. (mm)	21	13 - 33

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 41.887	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	-	0.3
150 - 350 m	0.4	-	-	-	-	-	0.6
350 - 600 m	0.5	0.2	0.2	-	-	0.1	1.0
600 - 800 m	0.3	0.2	-	-	-	0.1	0.6
800 - 1500 m	0.4	0.9	0.6	0.3	0.1	0.2	2.5
1.5 - 3.0 km	0.1	1.0	4.7	4.3	1.0	2.6	13.7
3.0 - 5.0 km	-	0.1	2.7	6.5	2.7	5.4	17.4
5.0 - 8.0 km	-	-	0.7	4.4	3.5	7.4	16.1
> 8.0 km	-	-	0.2	2.8	6.1	38.7	47.9
Total	1.9	2.4	9.2	18.5	13.5	54.5	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 7.189 (17.2 %), Clear/FEW/SCT: N = 10.906 (26.0 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 41.887	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	3.9	2.2	0.2	-	6.3
NE	3.7	2.4	0.3	-	6.5
E	7.3	5.9	0.4	-	13.6
SE	5.5	4.9	0.2	-	10.6
S	9.1	6.2	0.3	-	15.6
SW	7.6	9.6	1.0	0.1	18.3
W	7.3	11.8	1.9	0.1	21.0
NW	3.9	3.0	0.4	-	7.3
Calm	0.7	-	-	-	0.7
Total	49.0	46.0	4.7	0.2	100.0

# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 10.747	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.1	-	0.1	-	-	-	0.2
350 - 600 m	0.2	0.1	0.1	-	-	-	0.4
600 - 800 m	0.1	0.1	0.1	-	-	-	0.4
800 - 1500 m	0.3	0.3	0.5	0.4	0.1	-	1.6
1.5 - 3.0 km	0.1	0.8	4.6	3.4	0.8	2.3	12.0
3.0 - 5.0 km	-	0.1	3.9	7.3	2.8	6.5	20.5
5.0 - 8.0 km	-	-	1.4	4.9	3.5	9.2	19.1
> 8.0 km	-	-	0.3	2.8	6.2	36.7	45.9
<b>Total</b>	<b>0.8</b>	<b>1.4</b>	<b>10.9</b>	<b>18.8</b>	<b>13.3</b>	<b>54.8</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 2.624 (24.4 %), Clear/FEW/SCT: N = 2.499 (23.3 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 10.747	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.5	3.6	0.2	-	9.4
NE	5.7	3.7	0.3	-	9.6
E	7.8	9.1	0.4	-	17.3
SE	4.5	4.6	0.2	-	9.3
S	7.3	5.0	0.1	-	12.4
SW	4.9	7.4	0.7	-	13.1
W	5.7	11.3	2.7	-	19.7
NW	4.1	4.0	0.4	-	8.5
Calm	0.7	-	-	-	0.7
<b>Total</b>	<b>46.2</b>	<b>48.7</b>	<b>5.0</b>	<b>0.1</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 10.035	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.1	-	-	-	-	-	0.2
350 - 600 m	-	-	-	-	-	-	-
600 - 800 m	-	-	-	-	-	-	-
800 - 1500 m	-	-	-	-	-	0.3	0.4
1.5 - 3.0 km	-	0.2	0.7	1.0	0.3	1.6	3.8
3.0 - 5.0 km	0.1	-	0.7	2.7	1.0	4.1	8.7
5.0 - 8.0 km	-	-	0.2	3.6	1.7	6.6	12.2
> 8.0 km	-	-	0.1	2.4	6.0	66.0	74.5
<b>Total</b>	<b>0.4</b>	<b>0.3</b>	<b>1.7</b>	<b>9.9</b>	<b>9.1</b>	<b>78.7</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 2.246 (22.4 %), Clear/FEW/SCT: N = 3.390 (33.8 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 10.035	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	3.8	1.0	-	-	4.8
NE	4.1	1.7	-	-	5.8
E	8.0	3.4	-	-	11.4
SE	5.3	3.9	0.1	-	9.3
S	8.2	3.6	-	-	11.7
SW	8.3	7.8	0.3	-	16.4
W	11.2	17.6	1.3	-	30.1
NW	4.8	3.8	0.2	-	8.8
Calm	1.6	-	-	-	1.6
<b>Total</b>	<b>55.3</b>	<b>42.7</b>	<b>2.0</b>	<b>-</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 10.263	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.4	-	-	-	-	-	0.4
150 - 350 m	0.3	-	-	-	-	0.1	0.4
350 - 600 m	0.2	0.1	0.2	-	-	0.1	0.7
600 - 800 m	0.1	0.1	0.1	-	-	-	0.3
800 - 1500 m	0.3	0.5	0.6	0.2	0.1	0.3	1.9
1.5 - 3.0 km	0.1	0.5	3.9	6.1	1.4	3.6	15.6
3.0 - 5.0 km	-	-	1.3	6.9	3.6	5.7	17.5
5.0 - 8.0 km	-	-	0.3	3.1	4.2	7.8	15.4
> 8.0 km	-	-	0.1	1.8	5.6	40.3	47.7
Total	1.4	1.3	6.5	18.1	14.9	57.9	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 1.202 (11.7 %), Clear/FEW/SCT: N = 2.882 (28.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 10.263	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	2.9	1.9	0.1	-	4.9
NE	2.7	1.9	0.1	-	4.6
E	7.9	6.9	0.4	-	15.2
SE	6.7	6.9	0.2	-	13.9
S	12.2	8.5	0.7	-	21.4
SW	8.2	8.8	0.9	0.1	17.9
W	6.5	8.3	1.2	-	16.1
NW	3.2	1.9	0.6	-	5.7
Calm	0.4	-	-	-	0.4
Total	50.7	45.2	4.1	0.1	100.0

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 10.842	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	0.1	0.4
150 - 350 m	0.9	0.1	0.1	-	0.1	0.1	1.2
350 - 600 m	1.2	0.5	0.4	0.1	-	0.1	2.3
600 - 800 m	0.7	0.4	-	0.1	0.1	0.1	1.3
800 - 1500 m	0.9	2.1	1.1	0.5	0.1	0.3	5.0
1.5 - 3.0 km	0.2	2.1	7.6	5.3	1.3	2.5	18.9
3.0 - 5.0 km	-	0.2	4.2	7.9	2.9	5.0	20.2
5.0 - 8.0 km	-	-	0.9	5.6	3.9	6.3	16.7
> 8.0 km	-	-	0.4	4.0	6.5	23.1	34.0
Total	4.1	5.3	14.6	23.6	14.9	37.5	100.0

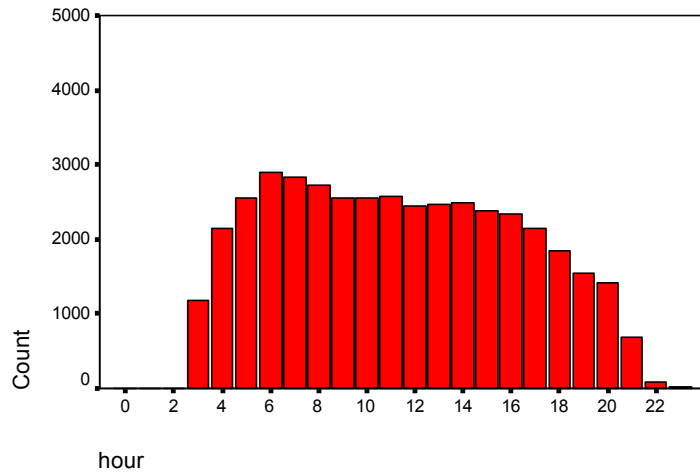
CAVOK or Sky Clear plus >10 km VIS: N = 1.117 (10.3 %), Clear/FEW/SCT: N = 2.135 (19.7 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 10.842	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	3.2	2.3	0.4	-	5.8
NE	2.4	2.4	0.9	0.1	5.9
E	5.7	4.3	0.6	-	10.6
SE	5.7	4.2	0.1	-	10.1
S	9.0	7.4	0.4	-	16.9
SW	9.1	14.4	2.1	0.2	25.8
W	6.0	10.0	2.4	0.3	18.7
NW	3.3	2.1	0.6	0.1	6.1
Calm	0.2	-	-	-	0.2
Total	44.5	47.3	7.5	0.7	100.0

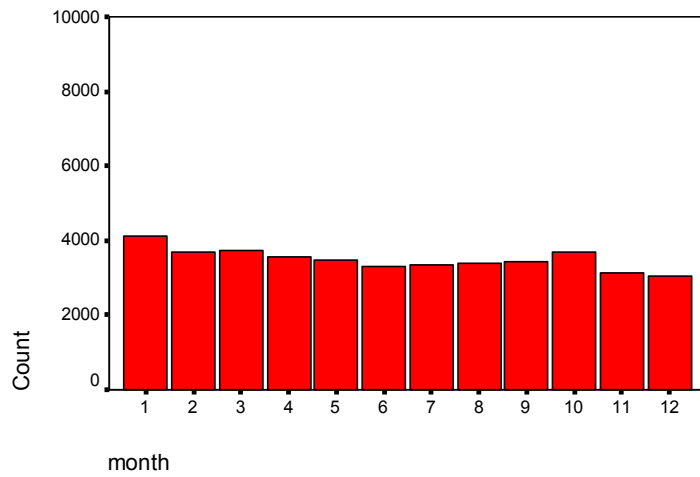
## Hourly Distribution of Observations

### Odense Airport



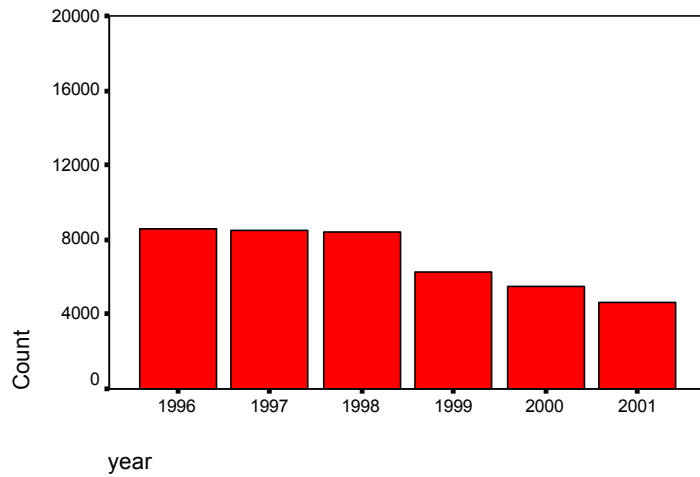
## Monthly Distribution of Observations

### Odense Airport



## Yearly Distribution of Observations

### Odense Airport



# 06034 Sindal – Airport (EKSN)

Lat. 57.504°N Long. 10.229°E (57 30 13N 010 13 46E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	8.9	7.6 – 9.5
Mean Max. Temp (°C)	10.9	9.6 - 11.8
Max. Temp (°C)	28.2	24.0 – 30.0
Mean Min. Temp (°C)	6.7	4.9 – 7.8
Min. Temp (°C)	-9.2	-13.0 to -5.0
No. Days with Frost	51	21 – 99
Mean Relative Humidity (%)	82	79 – 84
No. Days with Fog	32	8 – 54
No. Days with Snow	18	6 – 26
Mean Wind-Speed (m/s)	5.4	5.0 – 5.9
Max. Wind-Speed (m/s)	25.0	15.4 - 36.0

Parameter (from Synop Data)	Mean	Range
No. Clear Days	-	-
No. Cloudy Days	-	-
Precipitation (mm)	-	-
No. Days with Precip. > 0.1 mm	-	-
No. Days with Precip. > 1 mm	-	-
No. Days with Precip. > 10 mm	-	-
Highest 24-hour Precip. (mm)	-	-

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 25.068	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.2
150 - 350 m	0.4	0.1	-	-	-	-	0.5
350 - 600 m	0.3	0.3	0.1	-	-	-	0.8
600 - 800 m	0.1	0.2	0.1	-	-	-	0.5
800 - 1500 m	0.1	1.2	2.6	0.3	0.1	0.3	4.5
1.5 - 3.0 km	-	0.4	6.6	2.4	0.7	1.1	11.3
3.0 - 5.0 km	-	-	5.1	5.4	1.7	2.7	14.8
5.0 - 8.0 km	-	-	1.9	4.3	2.2	4.7	13.2
> 8.0 km	-	-	0.9	5.7	8.5	39.2	54.2
<b>Total</b>	1.1	2.3	17.4	18.0	13.2	48.1	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 4.810 (19.2 %), Clear/FEW/SCT: N = 6.195 (24.7 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 25.068	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.1	2.4	0.1	-	8.7
NE	3.7	3.2	0.3	-	7.2
E	6.2	4.9	0.2	-	11.3
SE	5.5	6.9	0.7	-	13.2
S	9.1	5.9	0.6	-	15.5
SW	8.0	7.5	1.2	0.1	16.8
W	5.6	11.7	3.8	0.2	21.3
NW	3.5	1.7	0.2	-	5.4
Calm	0.7	-	-	-	0.7
<b>Total</b>	48.4	44.1	7.1	0.4	100.0



# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 6.099	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	-	0.2
150 - 350 m	0.1	0.1	-	-	-	-	0.2
350 - 600 m	0.2	0.1	0.1	-	-	-	0.3
600 - 800 m	-	-	0.3	0.1	-	-	0.4
800 - 1500 m	-	0.7	3.2	0.4	0.1	0.4	4.7
1.5 - 3.0 km	-	0.2	6.5	1.9	0.9	0.7	10.2
3.0 - 5.0 km	-	0.1	5.8	4.9	0.9	1.4	13.1
5.0 - 8.0 km	-	-	3.5	5.1	1.4	3.9	14.0
> 8.0 km	-	0.1	1.6	9.9	8.9	36.5	56.9
<b>Total</b>	<b>0.5</b>	<b>1.1</b>	<b>21.0</b>	<b>22.2</b>	<b>12.3</b>	<b>42.9</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 1.690 (27.7 %), Clear/FEW/SCT: N = 1.222 (20.0 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 6.099	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	7.0	4.1	0.2	-	11.2
NE	3.6	4.5	0.4	-	8.5
E	6.6	6.9	0.3	-	13.8
SE	5.3	6.7	0.8	-	12.8
S	7.3	4.8	0.4	-	12.5
SW	5.1	6.0	0.7	-	11.8
W	4.3	12.5	4.5	0.2	21.5
NW	3.9	2.7	0.4	-	7.0
Calm	0.9	-	-	-	0.9
<b>Total</b>	<b>43.9</b>	<b>48.2</b>	<b>7.6</b>	<b>0.3</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 6.051	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	0.1	0.1	-	-	-	0.3
600 - 800 m	-	-	-	-	-	-	-
800 - 1500 m	-	0.2	0.5	-	-	0.1	0.8
1.5 - 3.0 km	-	-	2.0	0.9	0.2	1.0	4.2
3.0 - 5.0 km	-	-	3.1	2.7	0.8	2.3	9.0
5.0 - 8.0 km	-	-	1.5	3.5	1.8	4.1	10.9
> 8.0 km	-	-	0.6	5.5	8.8	59.8	74.7
<b>Total</b>	<b>0.1</b>	<b>0.4</b>	<b>7.9</b>	<b>12.7</b>	<b>11.6</b>	<b>67.4</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 1.451 (24.0 %), Clear/FEW/SCT: N = 2.079 (34.4 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 6.051	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	7.5	2.1	-	-	9.6
NE	3.4	1.1	-	-	4.5
E	5.8	2.6	-	-	8.4
SE	6.6	5.7	0.4	-	12.6
S	8.8	3.8	-	-	12.7
SW	8.1	5.4	0.4	-	13.8
W	9.7	17.6	3.2	-	30.5
NW	4.9	1.4	-	-	6.4
Calm	1.6	-	-	-	1.6
<b>Total</b>	<b>56.3</b>	<b>39.6</b>	<b>4.0</b>	<b>0.1</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 6.215	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	0.1	-	-	-	0.1
350 - 600 m	0.1	0.1	0.1	-	-	0.1	0.3
600 - 800 m	0.1	0.1	0.2	-	-	0.1	0.4
800 - 1500 m	0.1	0.9	2.0	0.2	0.2	0.3	3.7
1.5 - 3.0 km	-	0.2	5.0	2.5	0.6	1.8	10.2
3.0 - 5.0 km	-	-	3.1	6.1	1.9	4.0	15.1
5.0 - 8.0 km	-	-	0.7	4.0	2.5	5.5	12.7
> 8.0 km	-	-	0.2	3.9	7.6	45.8	57.5
<b>Total</b>	<b>0.3</b>	<b>1.4</b>	<b>11.3</b>	<b>16.7</b>	<b>12.9</b>	<b>57.5</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 716 (11.5 %), Clear/FEW/SCT: N = 1.568 (25.2 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 6.215	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.5	1.5	0.2	-	6.2
NE	3.9	3.2	0.1	-	7.2
E	7.4	6.6	0.3	-	14.3
SE	6.1	9.3	0.8	-	16.2
S	9.7	7.5	0.8	-	18.0
SW	8.6	7.0	0.9	0.1	16.6
W	5.0	8.3	2.8	0.1	16.2
NW	3.3	1.7	0.1	-	5.1
Calm	0.2	-	-	-	0.2
<b>Total</b>	<b>48.6</b>	<b>45.1</b>	<b>6.0</b>	<b>0.3</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 6.703	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	-	0.3
150 - 350 m	1.0	0.2	-	-	-	-	1.2
350 - 600 m	0.9	0.8	0.2	-	-	-	2.0
600 - 800 m	0.4	0.4	0.2	-	-	0.1	1.1
800 - 1500 m	0.2	2.3	3.9	0.4	0.2	0.3	7.3
1.5 - 3.0 km	-	1.0	10.8	3.4	0.8	1.0	17.0
3.0 - 5.0 km	-	0.1	7.4	6.5	2.5	2.6	19.1
5.0 - 8.0 km	-	-	2.0	4.6	2.8	5.0	14.4
> 8.0 km	-	-	1.1	4.3	8.7	23.5	37.6
<b>Total</b>	<b>2.8</b>	<b>4.9</b>	<b>25.5</b>	<b>19.2</b>	<b>15.0</b>	<b>32.5</b>	<b>100.0</b>

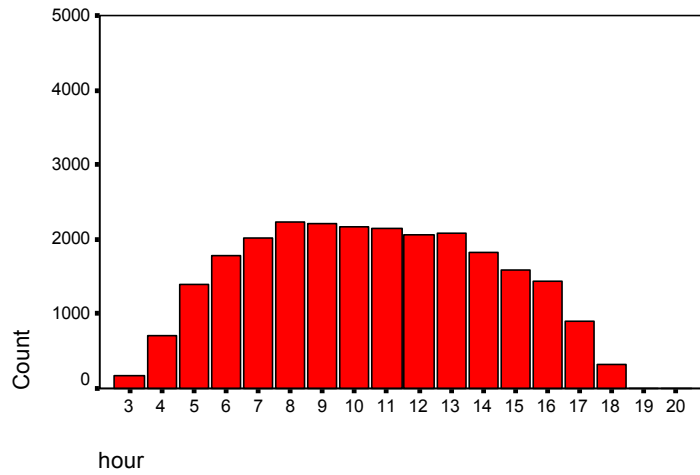
CAVOK or Sky Clear plus >10 km VIS: N = 953 (14.2 %), Clear/FEW/SCT: N = 1.326 (19.8 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 6.703	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.6	2.0	0.2	-	7.7
NE	3.7	4.0	0.5	0.1	8.3
E	5.1	3.6	0.2	-	8.9
SE	4.3	5.9	0.9	-	11.2
S	10.3	7.1	1.0	-	18.4
SW	10.1	11.2	2.7	0.2	24.3
W	3.8	8.9	4.6	0.5	17.7
NW	1.9	1.0	0.3	-	3.2
Calm	0.2	-	-	-	0.2
<b>Total</b>	<b>45.1</b>	<b>43.6</b>	<b>10.4</b>	<b>0.8</b>	<b>100.0</b>

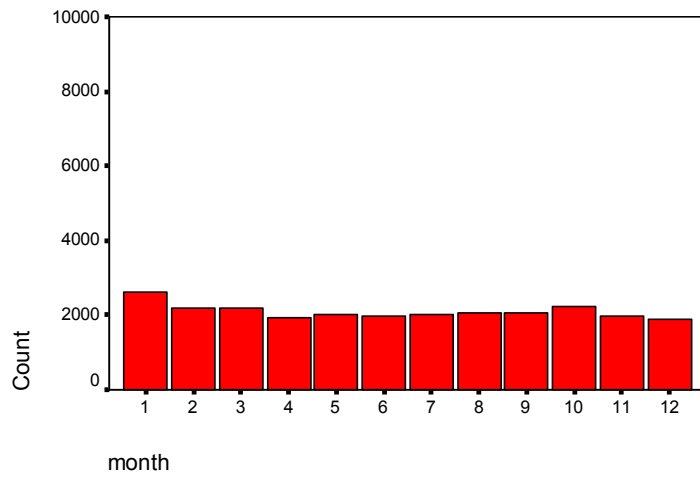
## Hourly Distribution of Observations

Sindal Airport



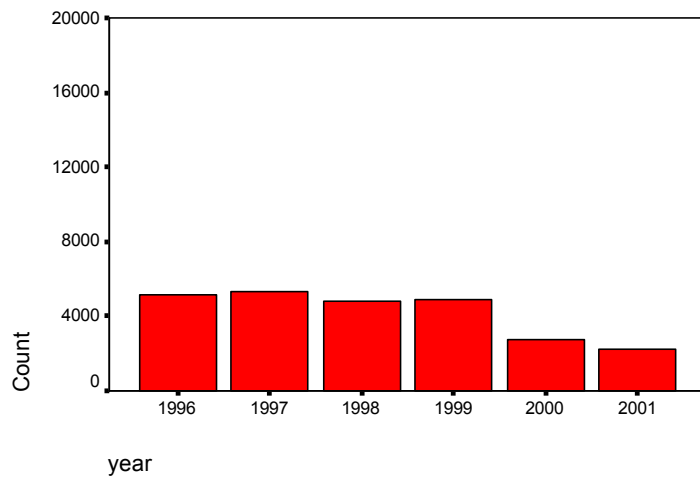
## Monthly Distribution of Observations

Sindal Airport



## Yearly Distribution of Observations

Sindal Airport



# 06062 Skive – Airport (EKSV)

Lat. 56.550°N Long. 9.173°E (56 33 01N 009 10 23E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	9.1	7.2 – 10.7
Mean Max. Temp (°C)	11.4	10.3 - 12.3
Max. Temp (°C)	29.0	27.0 – 31.0
Mean Min. Temp (°C)	7.3	4.8 – 8.3
Min. Temp (°C)	-14.0	-12.0 to -7.0
No. Days with Frost	48	19 – 105
Mean Relative Humidity (%)	82	80 – 84
No. Days with Fog	25	14 – 44
No. Days with Snow	16	9 – 39
Mean Wind-Speed (m/s)	5.0	4.8 – 5.2
Max. Wind-Speed (m/s)	19.0	14.4 - 27.8

Parameter (from Synop Data)	Mean	Range
No. Clear Days	-	-
No. Cloudy Days	-	-
Precipitation (mm)	-	-
No. Days with Precip. > 0.1 mm	-	-
No. Days with Precip. > 1 mm	-	-
No. Days with Precip. > 10 mm	-	-
Highest 24-hour Precip. (mm)	-	-

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 21.444	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.1	0.3	0.1	-	-	0.1	0.6
350 - 600 m	-	0.3	0.2	-	-	0.1	0.7
600 - 800 m	-	0.3	0.2	-	-	-	0.6
800 - 1500 m	-	0.9	1.6	0.3	-	0.3	3.1
1.5 - 3.0 km	-	0.5	5.4	3.3	0.8	1.4	11.5
3.0 - 5.0 km	-	0.1	3.2	8.5	2.3	4.1	18.2
5.0 - 8.0 km	-	-	0.5	3.7	2.3	4.0	10.5
> 8.0 km	-	-	0.4	5.9	10.9	37.5	54.6
<b>Total</b>	0.3	2.4	11.7	21.8	16.3	47.5	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 3.351 (15.6 %), Clear/FEW/SCT: N = 5.878 (27.4 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 21.444	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
<b>N</b>	3.8	2.0	0.1	-	5.9
<b>NE</b>	3.1	2.3	0.2	-	5.6
<b>E</b>	6.0	5.0	0.3	-	11.3
<b>SE</b>	6.8	8.3	0.6	-	15.7
<b>S</b>	9.2	4.8	0.1	-	14.1
<b>SW</b>	7.0	5.3	0.3	-	12.6
<b>W</b>	9.8	10.9	1.2	-	21.9
<b>NW</b>	5.2	6.1	0.9	-	12.2
<b>Calm</b>	0.6	-	-	-	0.6
<b>Total</b>	51.5	44.8	3.6	0.1	100.0

# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 5.307	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	-	0.3
150 - 350 m	-	-	-	-	-	-	0.1
350 - 600 m	-	-	-	-	-	0.2	0.3
600 - 800 m	-	0.1	-	-	-	-	0.2
800 - 1500 m	-	0.6	1.2	0.2	-	-	2.0
1.5 - 3.0 km	-	0.2	5.1	3.3	0.5	0.6	9.8
3.0 - 5.0 km	-	-	3.9	8.2	1.3	3.5	16.9
5.0 - 8.0 km	-	-	0.7	4.2	2.4	4.8	12.0
> 8.0 km	-	-	0.3	7.2	12.8	38.1	58.4
Total	0.3	1.0	11.3	23.0	17.1	47.3	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 1.167 (22.0 %), Clear/FEW/SCT: N = 1.302 (24.5 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 5.307	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.9	4.2	0.2	-	9.3
NE	3.5	3.0	0.1	-	6.5
E	7.4	8.1	0.3	-	15.8
SE	5.1	8.2	0.3	-	13.6
S	5.6	4.2	0.1	-	9.9
SW	4.2	5.3	0.3	-	9.8
W	8.0	10.9	1.6	-	20.5
NW	5.9	6.8	1.2	0.1	14.0
Calm	0.6	-	-	-	0.6
Total	45.1	50.7	4.1	0.1	100.0

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 4.781	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.1	0.1	-	-	-	-	0.2
350 - 600 m	-	-	-	-	-	-	-
600 - 800 m	-	-	-	-	-	-	0.1
800 - 1500 m	-	0.3	-	0.1	-	-	0.4
1.5 - 3.0 km	-	-	1.4	1.0	0.1	0.6	3.1
3.0 - 5.0 km	-	0.1	1.4	3.5	1.2	2.3	8.5
5.0 - 8.0 km	-	-	0.5	2.4	1.4	3.5	7.8
> 8.0 km	-	-	0.3	5.6	13.0	60.9	79.9
Total	0.1	0.5	3.7	12.6	15.7	67.4	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 919 (19.2 %), Clear/FEW/SCT: N = 1.537 (32.2 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 4.781	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	3.3	1.5	-	-	4.7
NE	2.4	0.5	-	-	2.9
E	4.0	2.4	-	-	6.5
SE	6.7	6.6	0.6	-	13.9
S	7.9	2.2	-	-	10.1
SW	7.2	4.5	-	-	11.8
W	13.5	15.3	0.5	-	29.3
NW	7.4	11.3	1.0	-	19.7
Calm	1.2	-	-	-	1.2
Total	53.4	44.4	2.1	-	100.0

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 5.530	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	0.1
150 - 350 m	0.1	-	0.1	-	-	-	0.3
350 - 600 m	-	-	0.2	-	-	0.1	0.3
600 - 800 m	0.1	0.1	0.1	-	-	-	0.3
800 - 1500 m	-	0.5	1.8	0.4	0.1	0.6	3.4
1.5 - 3.0 km	-	0.1	3.7	3.8	1.4	2.1	11.1
3.0 - 5.0 km	-	-	2.5	9.3	3.1	5.4	20.3
5.0 - 8.0 km	-	-	0.4	3.3	2.7	4.2	10.5
> 8.0 km	-	-	0.4	4.8	8.4	40.1	53.7
Total	0.1	0.9	9.2	21.7	15.6	52.5	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 625 (11.3 %), Clear/FEW/SCT: N = 1.562 (28.3 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 5.530	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	2.7	1.3	-	-	4.0
NE	3.0	2.6	-	-	5.6
E	6.7	6.5	0.2	-	13.3
SE	7.0	11.3	0.8	-	19.1
S	12.6	7.3	0.2	-	20.1
SW	7.3	3.7	0.2	-	11.2
W	8.8	7.0	0.8	-	16.6
NW	4.2	4.7	0.7	-	9.5
Calm	0.4	-	-	-	0.4
Total	52.7	44.4	2.8	0.1	100.0

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 5.826	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.4	0.9	0.1	-	-	0.2	1.5
350 - 600 m	-	1.0	0.5	-	0.1	0.2	1.8
600 - 800 m	-	0.7	0.6	0.1	-	-	1.5
800 - 1500 m	0.1	1.8	2.8	0.4	-	0.4	5.5
1.5 - 3.0 km	-	1.5	9.8	4.4	0.9	1.9	18.4
3.0 - 5.0 km	-	0.1	4.6	11.2	2.9	4.6	23.5
5.0 - 8.0 km	-	-	0.5	4.6	2.5	3.4	11.0
> 8.0 km	-	-	0.4	6.0	10.4	20.1	36.7
Total	0.5	6.0	19.2	26.8	16.7	30.8	100.0

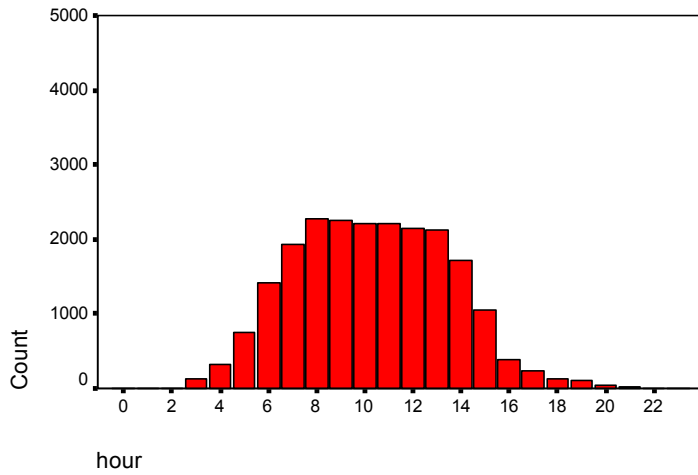
CAVOK or Sky Clear plus >10 km VIS: N = 640 (11.0 %), Clear/FEW/SCT: N = 1.477 (25.4 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 5.826	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.3	1.3	-	-	5.6
NE	3.6	2.8	0.5	-	6.9
E	5.8	2.7	0.7	-	9.2
SE	8.3	7.0	0.7	-	16.0
S	10.3	5.0	0.2	-	15.5
SW	9.0	7.4	0.7	-	17.2
W	9.3	11.1	1.7	0.1	22.2
NW	3.6	2.6	0.8	0.1	7.1
Calm	0.4	-	-	-	0.4
Total	54.6	39.9	5.2	0.3	100.0

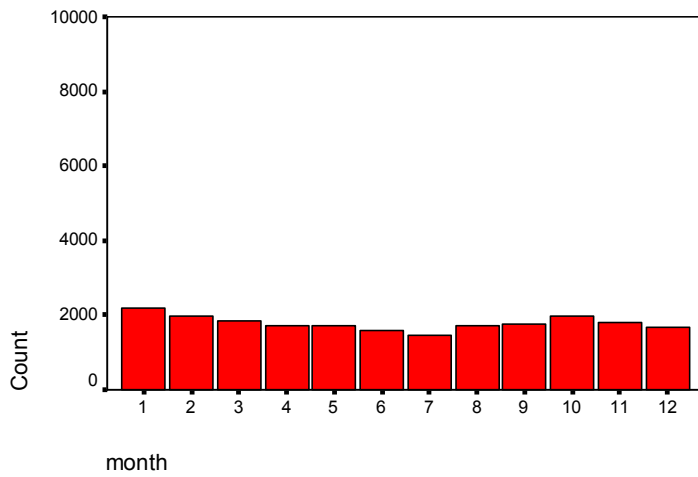
## Hourly Distribution of Observations

Skive Airport



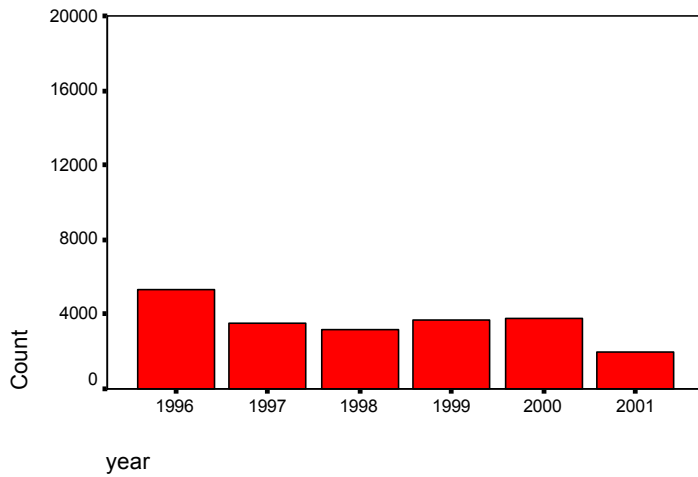
## Monthly Distribution of Observations

Skive Airport



## Yearly Distribution of Observations

Skive Airport



# 06066 Stauning Airport (EKVJ)

Lat. 55.990°N Long. 8.354°E (55 59 24N 008 21 14E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	9.5	8.0 – 10.5
Mean Max. Temp (°C)	11.2	9.9 - 12.0
Max. Temp (°C)	28.7	26.0 – 31.0
Mean Min. Temp (°C)	8.0	6.5 – 9.0
Min. Temp (°C)	-10.8	-14.0 to -7.0
No. Days with Frost	37	11 – 76
Mean Relative Humidity (%)	85	81 – 88
No. Days with Fog	19	10 – 29
No. Days with Snow	10	5 – 21
Mean Wind-Speed (m/s)	5.5	5.2 – 6.0
Max. Wind-Speed (m/s)	17.6	14.4 - 24.7

Parameter (from Synop Data)	Mean	Range
No. Clear Days	-	-
No. Cloudy Days	-	-
Precipitation (mm)	-	-
No. Days with Precip. > 0.1 mm	-	-
No. Days with Precip. > 1 mm	-	-
No. Days with Precip. > 10 mm	-	-
Highest 24-hour Precip. (mm)	-	-

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 16.418	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	-	0.3
150 - 350 m	0.2	0.2	-	-	-	-	0.5
350 - 600 m	0.1	0.2	0.1	-	-	-	0.4
600 - 800 m	0.1	0.2	0.2	-	-	-	0.5
800 - 1500 m	0.1	1.3	1.7	0.2	0.1	0.2	3.6
1.5 - 3.0 km	0.1	0.7	5.5	2.8	0.5	1.6	11.2
3.0 - 5.0 km	-	0.2	4.6	5.3	1.7	3.8	15.5
5.0 - 8.0 km	-	-	1.0	4.5	2.1	4.4	12.0
> 8.0 km	-	-	0.7	5.1	9.2	40.9	56.0
<b>Total</b>	0.8	2.8	13.8	17.9	13.7	50.9	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 2.180 (13.3 %), Clear/FEW/SCT: N = 4.886 (29.8 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 16.418	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.7	1.2	-	-	5.9
NE	2.2	1.5	-	-	3.7
E	4.5	7.2	0.6	-	12.3
SE	5.7	8.3	0.5	-	14.4
S	4.8	7.4	0.6	-	12.8
SW	3.7	11.3	1.1	0.1	16.1
W	5.0	12.4	1.1	-	18.5
NW	3.5	10.2	0.7	-	14.4
Calm	1.7	-	-	-	1.7
<b>Total</b>	35.9	59.3	4.7	0.2	100.0



# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 4.247	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	-	0.2
150 - 350 m	0.1	0.3	-	-	-	-	0.4
350 - 600 m	-	0.2	0.1	-	-	-	0.3
600 - 800 m	-	0.1	0.1	-	-	-	0.3
800 - 1500 m	0.2	1.1	2.1	0.3	0.1	0.2	4.0
1.5 - 3.0 km	0.2	0.9	5.8	2.6	0.8	1.0	11.3
3.0 - 5.0 km	-	0.3	7.4	4.4	1.4	4.5	18.1
5.0 - 8.0 km	-	-	1.3	4.6	1.4	4.3	11.7
> 8.0 km	-	-	1.1	6.3	9.0	37.3	53.7
Total	0.7	2.9	18.0	18.2	12.8	47.4	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 751 (17.7 %), Clear/FEW/SCT: N = 1.149 (27.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 4.247	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	3.5	2.2	-	-	5.7
NE	2.5	2.1	-	-	4.6
E	4.9	9.9	0.9	-	15.8
SE	3.2	7.6	0.3	-	11.2
S	3.2	8.0	0.2	-	11.4
SW	3.5	10.0	0.9	-	14.5
W	6.5	12.6	1.0	-	20.1
NW	4.2	11.0	0.5	-	15.8
Calm	1.0	-	-	-	1.0
Total	32.6	63.4	4.0	-	100.0

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 3.875	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	-	0.1	-	-	-	0.1
600 - 800 m	-	-	-	-	-	-	-
800 - 1500 m	-	-	0.1	-	-	-	0.1
1.5 - 3.0 km	-	0.2	0.8	0.7	0.1	0.3	2.0
3.0 - 5.0 km	-	-	1.7	2.9	0.8	1.7	7.0
5.0 - 8.0 km	-	-	0.8	3.1	0.9	3.1	7.9
> 8.0 km	-	0.2	1.3	7.3	15.3	58.9	82.9
Total	-	0.4	4.6	14.0	17.0	64.1	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 626 (16.2 %), Clear/FEW/SCT: N = 1.271 (32.8 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 3.875	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	2.9	0.5	-	-	3.4
NE	0.8	0.4	-	-	1.2
E	3.1	4.6	0.1	-	7.8
SE	3.9	6.4	0.4	-	10.8
S	3.2	3.7	0.1	-	7.0
SW	4.8	13.0	0.9	0.1	18.8
W	7.0	16.6	0.8	-	24.5
NW	4.5	19.1	0.8	-	24.3
Calm	2.3	-	-	-	2.3
Total	32.6	64.3	3.0	0.1	100.0

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 4.003	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	0.1	-	-	-	0.3
150 - 350 m	-	-	-	-	-	0.1	0.1
350 - 600 m	0.1	-	-	-	-	-	0.2
600 - 800 m	0.3	0.3	0.1	-	-	-	0.7
800 - 1500 m	-	1.0	0.6	-	-	0.3	1.9
1.5 - 3.0 km	-	0.1	5.0	2.4	0.6	3.1	11.3
3.0 - 5.0 km	-	-	2.9	5.6	2.1	3.8	14.3
5.0 - 8.0 km	-	-	0.8	4.5	3.0	5.3	13.5
> 8.0 km	-	-	0.4	3.8	7.6	45.9	57.7
<b>Total</b>	<b>0.6</b>	<b>1.4</b>	<b>9.8</b>	<b>16.4</b>	<b>13.2</b>	<b>58.5</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 359 (9.0 %), Clear/FEW/SCT: N = 1.266 (31.6 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 4.003	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.0	1.2	-	-	6.2
NE	2.7	1.6	-	-	4.4
E	4.4	9.7	0.9	-	14.9
SE	6.9	12.6	0.6	-	20.1
S	6.0	9.4	1.0	0.1	16.4
SW	2.5	7.2	1.1	0.1	10.8
W	3.2	10.7	0.6	-	14.5
NW	3.2	7.2	0.8	-	11.1
Calm	1.6	-	-	-	1.6
<b>Total</b>	<b>35.5</b>	<b>59.5</b>	<b>4.9</b>	<b>0.2</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 4.293	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.5	0.1	-	-	-	-	0.5
150 - 350 m	0.7	0.4	0.1	-	-	-	1.2
350 - 600 m	0.3	0.4	0.2	-	-	-	0.9
600 - 800 m	-	0.5	0.5	-	-	-	1.0
800 - 1500 m	0.1	2.8	3.4	0.5	0.3	0.3	7.4
1.5 - 3.0 km	-	1.2	9.3	4.8	0.6	1.8	17.8
3.0 - 5.0 km	-	0.4	5.8	7.6	2.4	4.7	20.8
5.0 - 8.0 km	-	-	1.0	5.4	2.9	4.7	14.0
> 8.0 km	-	-	0.4	3.7	6.3	26.0	36.4
<b>Total</b>	<b>1.5</b>	<b>5.8</b>	<b>20.7</b>	<b>21.9</b>	<b>12.5</b>	<b>37.5</b>	<b>100.0</b>

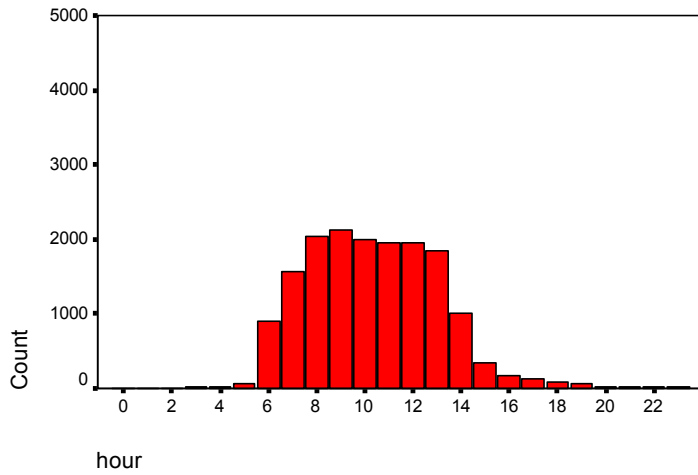
CAVOK or Sky Clear plus >10 km VIS: N = 444 (10.3 %), Clear/FEW/SCT: N = 1.200 (28.0 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 4.293	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	7.3	0.9	-	-	8.2
NE	2.8	1.7	-	-	4.4
E	5.5	4.5	0.5	-	10.5
SE	8.7	6.5	0.5	-	15.7
S	6.9	8.1	1.3	0.1	16.3
SW	3.9	14.7	1.7	0.1	20.4
W	3.3	10.0	1.8	0.1	15.3
NW	2.2	4.3	0.9	-	7.3
Calm	1.9	-	-	-	1.9
<b>Total</b>	<b>42.5</b>	<b>50.5</b>	<b>6.6</b>	<b>0.3</b>	<b>100.0</b>

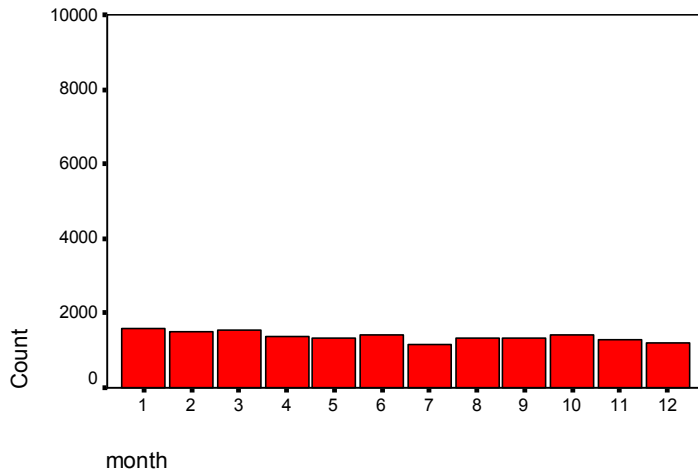
## Hourly Distribution of Observations

### Stauning Airport



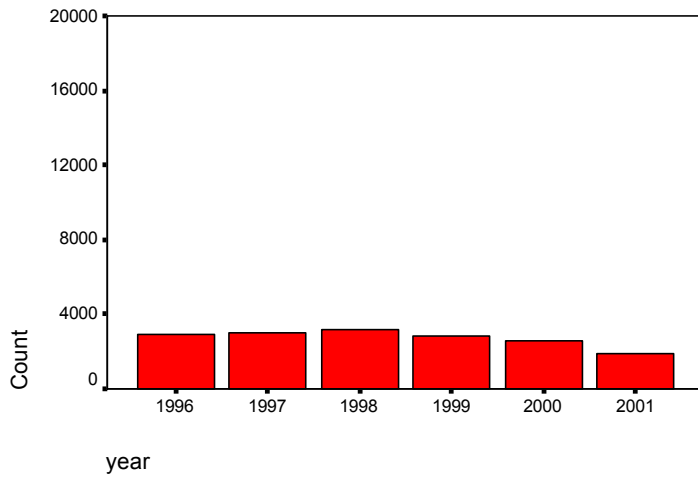
## Monthly Distribution of Observations

### Stauning Airport



## Yearly Distribution of Observations

### Stauning Airport



# 06118 Sønderborg Airport (EKSB)

Lat. 54.964°N Long. 9.792°E (54 57 52N 009 47 30E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	9.7	8.0 – 10.4
Mean Max. Temp (°C)	12.4	10.7 - 13.2
Max. Temp (°C)	30.0	28.0 – 32.0
Mean Min. Temp (°C)	7.1	5.7 – 7.8
Min. Temp (°C)	-9.2	-7.0 to -13.0
No. Days with Frost	49	16 – 106
Mean Relative Humidity (%)	85	81 – 88
No. Days with Fog	29	22 – 38
No. Days with Snow	20	9 – 37
Mean Wind-Speed (m/s)	4.9	4.6 – 5.3
Max. Wind-Speed (m/s)	34.1	14.9 - 47.4

Parameter (from Synop Data)	Mean	Range
No. Clear Days	-	-
No. Cloudy Days	-	-
Precipitation (mm)	-	-
No. Days with Precip. > 0.1 mm	-	-
No. Days with Precip. > 1 mm	-	-
No. Days with Precip. > 10 mm	-	-
Highest 24-hour Precip. (mm)	-	-

Note: no synop data, but station 6119 could be used instead

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 37.161	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.4	0.1	-	-	-	-	0.4
350 - 600 m	0.4	0.3	-	-	-	-	0.8
600 - 800 m	-	0.2	0.1	-	-	-	0.3
800 - 1500 m	-	0.9	1.4	0.1	-	0.1	2.6
1.5 - 3.0 km	-	0.5	6.3	1.7	0.3	0.7	9.5
3.0 - 5.0 km	-	-	5.3	6.1	1.2	2.7	15.3
5.0 - 8.0 km	-	-	1.5	7.2	3.7	6.5	18.9
> 8.0 km	-	-	0.2	4.6	7.3	39.9	52.1
Total	0.9	2.1	14.8	19.7	12.6	49.9	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 6.075 (16.4 %), Clear/FEW/SCT: N = 9.498 (25.6 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 37.161	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.7	2.2	0.2	-	7.0
NE	2.5	1.5	0.2	-	4.2
E	4.2	5.8	1.2	-	11.2
SE	6.8	6.9	0.9	-	14.6
S	8.5	2.6	-	-	11.1
SW	9.7	6.3	0.3	-	16.3
W	10.7	10.5	0.9	-	22.1
NW	4.7	5.8	0.6	-	11.2
Calm	2.1	-	-	-	2.1
Total	53.9	41.6	4.4	0.1	100.0

# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 9.438	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	0.2	-	-	-	-	0.3
600 - 800 m	-	0.2	0.1	-	-	-	0.3
800 - 1500 m	-	0.6	1.3	0.1	0.1	0.3	2.3
1.5 - 3.0 km	-	0.3	7.3	2.0	0.4	1.0	11.1
3.0 - 5.0 km	-	0.1	5.8	6.1	1.1	3.2	16.2
5.0 - 8.0 km	-	-	1.6	7.8	3.4	6.8	19.5
> 8.0 km	-	-	0.4	5.1	6.7	38.0	50.3
<b>Total</b>	0.2	1.3	16.5	21.1	11.6	49.2	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 2.118 (22.4 %), Clear/FEW/SCT: N = 2.171 (23.0 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 9.438	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.6	2.9	0.2	-	8.7
NE	3.6	1.7	0.3	-	5.6
E	5.2	8.7	1.4	-	15.3
SE	8.1	6.8	1.2	-	16.1
S	6.5	1.4	-	-	7.9
SW	6.7	4.2	0.2	-	11.2
W	8.6	10.2	1.0	-	19.9
NW	5.5	6.6	0.9	-	13.0
Calm	2.4	-	-	-	2.4
<b>Total</b>	52.2	42.6	5.1	0.1	100.0

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 8.997	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	-	-	-	-	-	-
600 - 800 m	-	-	-	-	-	-	-
800 - 1500 m	-	-	0.1	-	-	-	0.1
1.5 - 3.0 km	-	0.2	0.9	0.5	0.1	0.3	1.9
3.0 - 5.0 km	-	-	1.2	2.0	0.7	1.9	5.8
5.0 - 8.0 km	-	-	0.6	3.3	2.4	5.6	12.0
> 8.0 km	-	-	0.2	4.4	7.8	67.6	80.1
<b>Total</b>	0.1	0.3	2.9	10.2	11.0	75.5	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 1.910 (21.2 %), Clear/FEW/SCT: N = 2.786 (31.0 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 8.997	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.4	1.1	-	-	6.4
NE	2.4	0.5	-	-	2.9
E	4.9	2.9	0.1	-	7.9
SE	8.1	7.0	0.4	-	15.5
S	7.1	0.9	-	-	8.0
SW	8.4	3.2	-	-	11.6
W	15.7	12.3	0.1	-	28.0
NW	7.3	9.8	0.3	-	17.4
Calm	2.1	-	-	-	2.2
<b>Total</b>	61.3	37.8	0.8	-	100.0

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 9.156	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	0.1	-	-	-	-	0.2
150 - 350 m	0.1	0.1	-	-	-	-	0.1
350 - 600 m	0.1	0.2	-	-	-	-	0.3
600 - 800 m	-	0.1	0.1	-	-	-	0.1
800 - 1500 m	-	0.6	1.0	0.1	-	0.1	1.7
1.5 - 3.0 km	-	0.5	5.9	1.9	0.3	0.6	9.1
3.0 - 5.0 km	-	-	4.1	8.0	1.7	2.9	16.6
5.0 - 8.0 km	-	-	0.7	6.5	4.1	7.7	19.0
> 8.0 km	-	-	0.1	3.6	6.3	42.8	52.8
<b>Total</b>	<b>0.3</b>	<b>1.4</b>	<b>11.9</b>	<b>20.0</b>	<b>12.3</b>	<b>54.1</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 1.074 (11.7 %), Clear/FEW/SCT: N = 2.508 (27.4 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 9.156	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	3.3	2.1	0.1	-	5.6
NE	1.8	1.8	0.1	-	3.7
E	3.2	6.4	1.0	-	10.6
SE	6.2	9.1	1.5	-	16.8
S	12.3	5.0	0.1	-	17.4
SW	12.2	6.9	0.4	-	19.5
W	9.5	6.9	0.6	-	17.0
NW	3.2	3.8	0.5	-	7.6
Calm	1.9	-	-	-	1.9
<b>Total</b>	<b>53.6</b>	<b>42.0</b>	<b>4.3</b>	<b>0.1</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 9.570	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	-	0.3
150 - 350 m	1.1	0.2	-	-	-	-	1.3
350 - 600 m	1.1	0.8	0.1	-	-	-	2.0
600 - 800 m	-	0.6	0.1	-	-	-	0.7
800 - 1500 m	-	2.1	2.7	0.2	0.1	-	5.1
1.5 - 3.0 km	-	0.8	9.5	2.0	0.4	0.8	13.6
3.0 - 5.0 km	-	-	8.6	7.1	1.2	2.6	19.5
5.0 - 8.0 km	-	-	2.6	10.0	4.5	5.7	22.9
> 8.0 km	-	-	0.1	5.2	8.4	20.9	34.7
<b>Total</b>	<b>2.6</b>	<b>4.5</b>	<b>23.7</b>	<b>24.6</b>	<b>14.6</b>	<b>30.0</b>	<b>100.0</b>

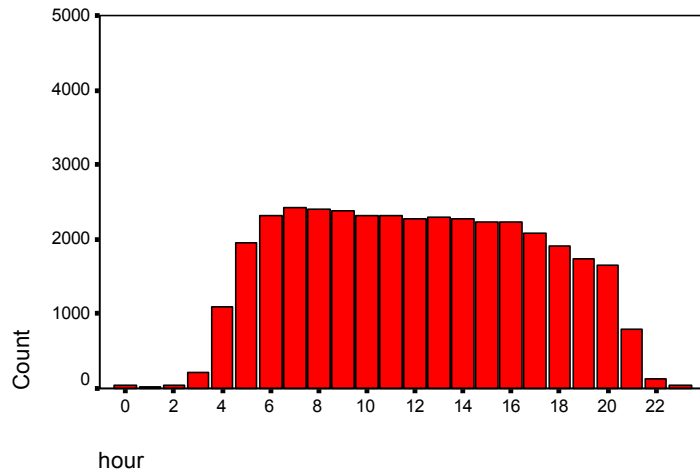
CAVOK or Sky Clear plus >10 km VIS: N = 973 (10.2 %), Clear/FEW/SCT: N = 2.033 (21.2 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 9.570	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.5	2.4	0.5	-	7.4
NE	2.0	1.9	0.6	-	4.5
E	3.6	5.1	2.3	-	11.0
SE	4.9	4.7	0.6	-	10.3
S	8.2	3.2	-	-	11.3
SW	11.4	10.7	0.7	-	22.8
W	9.3	12.6	1.7	0.1	23.8
NW	2.7	3.3	0.8	0.1	6.9
Calm	2.1	-	-	-	2.1
<b>Total</b>	<b>48.7</b>	<b>43.9</b>	<b>7.1</b>	<b>0.2</b>	<b>100.0</b>

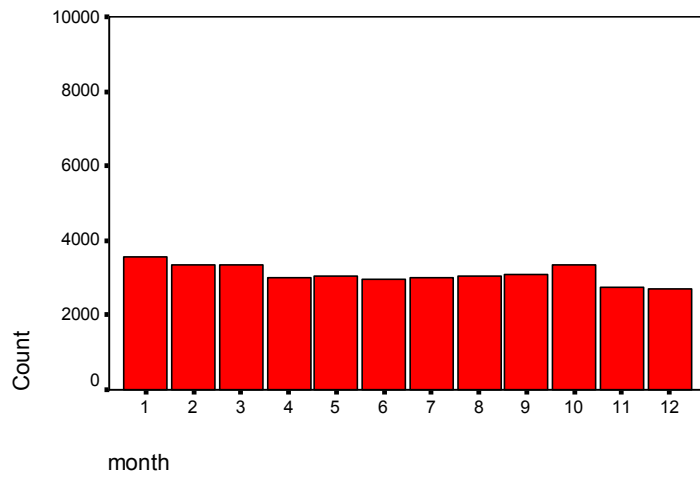
## Hourly Distribution of Observations

Sønderborg Airport



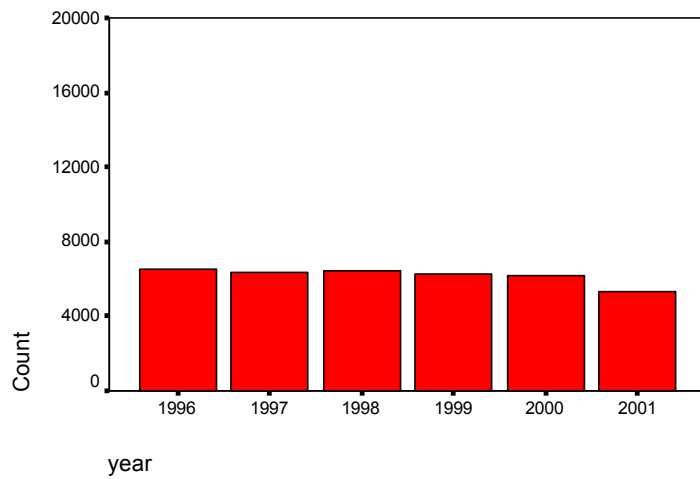
## Monthly Distribution of Observations

Sønderborg Airport



## Yearly Distribution of Observations

Sønderborg Airport



# 06024 Thisted Airport (EKTS)

Lat. 57.069°N Long. 8.705°E (57 04 08N 008 42 19E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	8.8	7.2 - 9.6
Mean Max. Temp (°C)	10.9	9.7 - 11.6
Max. Temp (°C)	28.2	27.0 - 30.0
Mean Min. Temp (°C)	6.6	4.9 - 7.7
Min. Temp (°C)	-11.8	-8.0 to -15.0
No. Days with Frost	51	21 - 99
Mean Relative Humidity (%)	83	81 - 86
No. Days with Fog	34	17 - 51
No. Days with Snow	19	9 - 36
Mean Wind-Speed (m/s)	5.5	5.1 - 5.8
Max. Wind-Speed (m/s)	30.3	18.5 - 50.5

Parameter (from Synop Data)	Mean	Range
No. Clear Days	-	-
No. Cloudy Days	-	-
Precipitation (mm)	841	544 - 1093
No. Days with Precip. > 0.1 mm	230	200 - 246
No. Days with Precip. > 1 mm	134	95 - 166
No. Days with Precip. > 10 mm	24	13 - 35
Highest 24-hour Precip. (mm)	34	22 - 48

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 33.555	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.2	-	-	-	-	-	0.2
350 - 600 m	0.2	0.6	-	-	-	-	0.9
600 - 800 m	0.2	0.3	-	-	-	-	0.5
800 - 1500 m	0.5	0.9	0.4	0.1	-	0.1	2.1
1.5 - 3.0 km	0.3	1.8	4.7	1.8	0.2	0.6	9.5
3.0 - 5.0 km	-	0.3	4.2	4.5	1.1	2.4	12.4
5.0 - 8.0 km	-	0.1	2.3	6.6	3.2	6.8	18.9
> 8.0 km	-	-	0.5	6.1	7.4	41.2	55.3
Total	1.5	4.0	12.2	19.1	12.0	51.2	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 5.178 (15.4 %), Clear/FEW/SCT: N = 10.041 (29.9 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 33.555	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.6	1.7	0.1	-	7.3
NE	3.7	4.4	0.3	-	8.4
E	6.4	7.0	0.4	-	13.8
SE	7.4	5.8	0.2	-	13.4
S	7.5	4.5	0.3	-	12.3
SW	4.9	7.1	0.8	-	12.8
W	6.3	14.5	3.3	0.2	24.3
NW	3.5	3.0	0.8	0.1	7.4
Calm	0.2	-	-	-	0.2
Total	45.4	48.1	6.2	0.4	100.0



# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 8.908	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.2	-	-	-	-	-	0.2
350 - 600 m	0.2	0.3	0.1	-	-	-	0.5
600 - 800 m	0.2	0.2	-	-	-	-	0.4
800 - 1500 m	0.6	1.1	0.8	0.2	-	-	2.7
1.5 - 3.0 km	0.6	2.5	5.1	1.4	0.1	0.7	10.3
3.0 - 5.0 km	-	0.4	4.2	3.8	0.8	2.0	11.2
5.0 - 8.0 km	-	0.1	4.0	6.7	2.7	7.9	21.4
> 8.0 km	-	0.1	1.0	9.2	6.6	36.2	53.1
<b>Total</b>	<b>1.8</b>	<b>4.6</b>	<b>15.3</b>	<b>21.2</b>	<b>10.3</b>	<b>46.8</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 1.955 (22.0 %), Clear/FEW/SCT: N = 2.228 (25.0 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 8.908	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.3	2.7	-	-	9.0
NE	5.8	6.8	0.4	-	12.9
E	5.4	8.4	0.3	-	14.2
SE	5.5	5.0	0.2	-	10.7
S	5.7	4.4	0.2	-	10.3
SW	4.0	5.4	0.3	-	9.7
W	6.1	14.7	3.6	0.2	24.5
NW	3.7	3.4	1.0	0.1	8.3
Calm	0.3	-	-	-	0.3
<b>Total</b>	<b>42.8</b>	<b>50.8</b>	<b>6.1</b>	<b>0.3</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 8.112	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	0.1	-	-	-	0.1	0.1
600 - 800 m	0.1	-	-	-	-	0.1	0.1
800 - 1500 m	0.2	0.2	0.1	-	-	0.1	0.6
1.5 - 3.0 km	-	0.3	1.5	0.8	0.2	0.5	3.3
3.0 - 5.0 km	-	0.1	2.5	2.5	0.4	1.7	7.3
5.0 - 8.0 km	-	0.1	1.1	4.2	1.6	4.7	11.7
> 8.0 km	-	-	0.5	6.6	11.0	58.7	76.9
<b>Total</b>	<b>0.3</b>	<b>0.8</b>	<b>5.7</b>	<b>14.1</b>	<b>13.2</b>	<b>65.8</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 1.446 (18.1 %), Clear/FEW/SCT: N = 3.144 (38.8 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 8.112	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	7.3	1.3	-	-	8.6
NE	3.8	3.0	-	-	6.8
E	4.0	3.6	0.2	-	7.7
SE	6.6	3.8	0.1	-	10.5
S	5.7	2.0	-	-	7.8
SW	5.6	6.9	0.3	-	12.7
W	9.7	22.5	3.6	0.1	35.8
NW	5.4	3.5	0.7	-	9.6
Calm	0.4	-	-	-	0.4
<b>Total</b>	<b>48.4</b>	<b>46.6</b>	<b>4.8</b>	<b>0.1</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 8.346	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	0.1	0.1	-	-	-	0.1	0.2
600 - 800 m	0.1	0.1	-	-	-	0.1	0.3
800 - 1500 m	0.2	0.8	0.3	-	-	0.1	1.5
1.5 - 3.0 km	0.2	0.9	3.7	2.3	0.2	0.6	8.0
3.0 - 5.0 km	-	0.1	2.8	5.4	1.6	2.8	12.7
5.0 - 8.0 km	-	-	1.2	6.2	4.1	7.5	19.1
> 8.0 km	-	-	0.4	4.4	6.9	46.6	58.2
<b>Total</b>	<b>0.5</b>	<b>2.1</b>	<b>8.5</b>	<b>18.3</b>	<b>12.8</b>	<b>57.8</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 776 (9.3 %), Clear/FEW/SCT: N = 2.680 (32.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 8.346	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	3.8	1.4	0.1	-	5.4
NE	2.4	4.1	0.2	-	6.7
E	8.0	9.9	0.6	-	18.6
SE	8.6	9.7	0.3	-	18.6
S	9.5	5.7	0.3	-	15.5
SW	4.9	5.8	0.7	0.1	11.6
W	5.1	9.4	3.0	0.3	17.7
NW	2.3	2.6	0.9	0.1	5.9
Calm	0.1	-	-	-	0.1
<b>Total</b>	<b>44.8</b>	<b>48.6</b>	<b>6.1</b>	<b>0.5</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

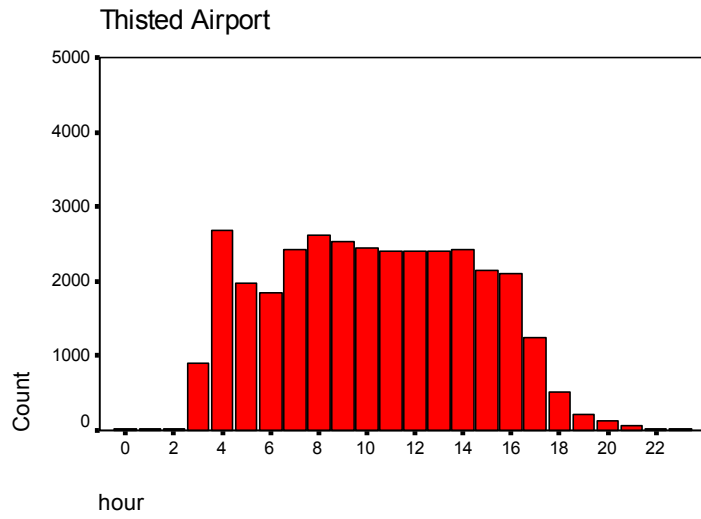
No. Obs = 8.189	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.4	0.1	-	-	-	-	0.6
350 - 600 m	0.6	1.7	-	-	-	-	2.3
600 - 800 m	0.3	0.6	0.1	-	-	-	1.1
800 - 1500 m	1.0	1.5	0.4	0.2	-	0.1	3.2
1.5 - 3.0 km	0.4	3.1	7.5	2.3	0.4	0.8	14.5
3.0 - 5.0 km	-	0.3	6.6	5.6	1.4	2.8	16.7
5.0 - 8.0 km	-	0.1	2.5	8.5	3.9	6.6	21.5
> 8.0 km	-	-	0.3	4.6	6.3	29.0	40.2
<b>Total</b>	<b>2.8</b>	<b>7.4</b>	<b>17.3</b>	<b>21.2</b>	<b>12.0</b>	<b>39.3</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 981 (12.0 %), Clear/FEW/SCT: N = 1.989 (24.3 %)

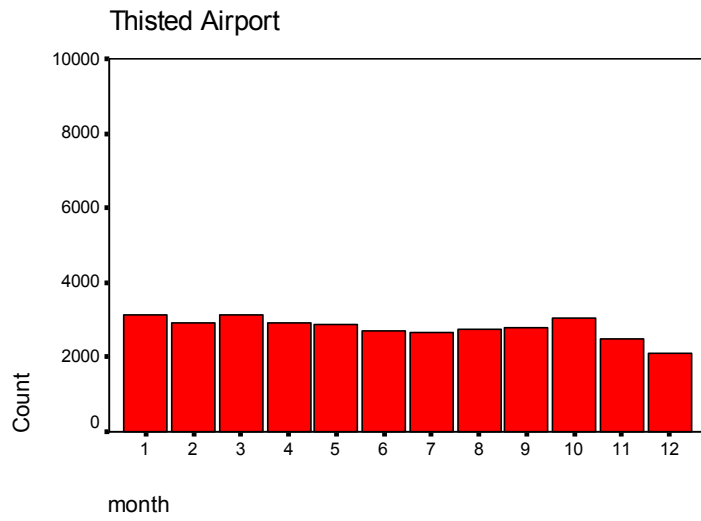
## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 8.189	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.8	1.2	0.1	-	6.1
NE	2.7	3.4	0.7	0.1	6.9
E	8.1	6.0	0.4	-	14.6
SE	8.9	4.7	0.1	-	13.7
S	9.2	5.8	0.6	-	15.6
SW	5.0	10.7	1.9	0.1	17.7
W	4.5	11.4	3.3	0.2	19.4
NW	2.4	2.6	0.7	0.1	5.8
Calm	0.1	-	-	-	0.1
<b>Total</b>	<b>45.8</b>	<b>46.0</b>	<b>7.7</b>	<b>0.5</b>	<b>100.0</b>

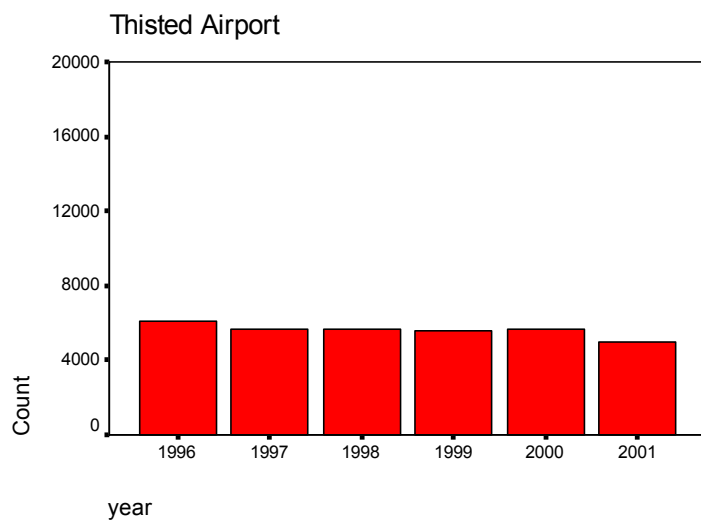
## Hourly Distribution of Observations



## Monthly Distribution of Observations



## Yearly Distribution of Observations



# 06022 Tyra Øst – Heliport (EKGF)

Lat. 55.721°N Long. 4.750°E (55 43 17N 004 45 01E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	9.5	8.5 – 9.9
Mean Max. Temp (°C)	10.5	9.9 - 11.1
Max. Temp (°C)	20.8	18.0 – 24.0
Mean Min. Temp (°C)	8.7	7.6 – 9.3
Min. Temp (°C)	-2.0	-6.0 to +1.0
No. Days with Frost	7	0 – 30
Mean Relative Humidity (%)	82	80 – 84
No. Days with Fog	46	36 – 51
No. Days with Snow	12	4 – 21
Mean Wind-Speed (m/s)	9.4	9.2 – 10.0
Max. Wind-Speed (m/s)	39.2	36.0 - 42.7

Parameter (from Synop Data)	Mean	Range
No. Clear Days	-	-
No. Cloudy Days	-	-
Precipitation (mm)	-	-
No. Days with Precip. > 0.1 mm	-	-
No. Days with Precip. > 1 mm	-	-
No. Days with Precip. > 10 mm	-	-
Highest 24-hour Precip. (mm)	-	-

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 52.129	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.6	0.1	0.2	-	-	-	1.0
150 - 350 m	0.3	0.1	0.1	-	-	0.1	0.7
350 - 600 m	0.1	0.1	0.2	-	-	-	0.5
600 - 800 m	-	0.1	0.2	-	-	-	0.4
800 - 1500 m	-	0.1	0.9	0.2	-	0.3	1.6
1.5 - 3.0 km	-	0.1	1.9	1.1	0.3	1.3	4.8
3.0 - 5.0 km	-	-	1.8	2.1	0.8	3.1	7.8
5.0 - 8.0 km	-	-	1.1	2.6	1.4	5.9	11.0
> 8.0 km	-	-	0.9	5.5	7.8	58.1	72.2
Total	1.1	0.7	7.3	11.6	10.4	68.9	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 13.926 (26.7 %), Clear/FEW/SCT: N = 14.192 (27.2 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 52.129	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	1.9	4.0	2.3	0.9	9.2
NE	1.2	2.4	1.3	0.5	5.4
E	1.5	4.2	2.8	1.5	10.0
SE	1.9	4.8	3.1	1.5	11.3
S	2.0	7.1	4.3	1.7	15.0
SW	2.2	7.2	5.2	2.5	17.0
W	2.6	7.0	4.3	1.8	15.7
NW	2.0	6.1	4.8	1.9	14.9
Calm	1.4	-	-	-	1.4
Total	16.8	42.7	28.1	12.4	100.0

# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 13.271	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.6	0.2	0.7	0.1	-	0.1	1.8
150 - 350 m	0.8	0.2	0.3	0.1	-	0.3	1.8
350 - 600 m	0.2	0.1	0.4	0.1	-	0.1	0.9
600 - 800 m	-	0.1	0.5	-	-	0.1	0.7
800 - 1500 m	-	0.1	1.8	0.5	-	0.8	3.3
1.5 - 3.0 km	0.1	0.2	2.4	1.5	0.4	2.0	6.6
3.0 - 5.0 km	-	-	2.1	2.6	0.9	4.5	10.2
5.0 - 8.0 km	-	-	1.4	2.5	1.7	8.0	13.6
> 8.0 km	-	-	1.4	6.0	6.7	47.0	61.2
<b>Total</b>	<b>1.8</b>	<b>1.1</b>	<b>10.9</b>	<b>13.5</b>	<b>9.8</b>	<b>63.0</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 4.362 (32.9 %), Clear/FEW/SCT: N = 3.197 (24.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 13.271	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	2.5	4.6	2.7	.9	10.7
NE	1.9	4.2	1.8	.6	8.5
E	1.9	6.1	4.0	1.0	13.0
SE	2.1	4.7	2.9	1.1	10.8
S	2.7	7.1	3.8	.7	14.2
SW	2.7	6.2	3.4	.7	12.9
W	2.9	6.4	2.8	1.1	13.2
NW	1.9	6.7	5.0	1.1	14.7
Calm	2.0				2.0
<b>Total</b>	<b>20.6</b>	<b>45.9</b>	<b>26.4</b>	<b>7.1</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 12.817	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	0.1	0.1	-	-	-	0.3
150 - 350 m	0.2	0.1	0.1	-	-	0.1	0.4
350 - 600 m	0.2	0.1	0.1	-	-	-	0.4
600 - 800 m	-	0.1	0.3	0.1	-	-	0.4
800 - 1500 m	0.1	0.2	0.8	0.2	0.1	0.1	1.3
1.5 - 3.0 km	0.1	-	1.7	0.5	0.3	1.6	4.2
3.0 - 5.0 km	-	-	1.5	1.2	0.5	3.0	6.2
5.0 - 8.0 km	-	-	1.2	2.0	0.7	6.2	10.2
> 8.0 km	-	-	1.3	6.0	7.2	61.9	76.4
<b>Total</b>	<b>0.6</b>	<b>0.5</b>	<b>7.1</b>	<b>9.9</b>	<b>8.8</b>	<b>73.0</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 4.344 (33.9 %), Clear/FEW/SCT: N = 3.346 (26.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 12.817	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	2.8	4.2	1.6	0.1	8.8
NE	1.4	2.6	0.8	0.1	4.9
E	1.9	4.2	1.0	0.1	7.2
SE	2.5	5.9	1.4	0.2	10.0
S	3.3	9.7	2.6	0.2	15.7
SW	3.4	8.7	2.4	0.3	14.8
W	4.2	8.8	3.1	0.4	16.4
NW	3.9	9.1	6.6	0.9	20.4
Calm	1.8	-	-	-	1.8
<b>Total</b>	<b>25.3</b>	<b>53.1</b>	<b>19.5</b>	<b>2.1</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 12.951	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	0.1
150 - 350 m	-	-	-	-	-	-	0.1
350 - 600 m	-	0.1	0.2	-	-	-	0.3
600 - 800 m	-	-	0.1	-	-	-	0.2
800 - 1500 m	-	0.1	0.5	0.1	-	0.2	0.9
1.5 - 3.0 km	-	0.2	1.4	1.3	0.4	1.2	4.4
3.0 - 5.0 km	-	0.1	1.2	2.1	0.8	2.5	6.6
5.0 - 8.0 km	-	-	0.7	2.3	1.4	5.5	9.8
> 8.0 km	-	-	0.4	4.6	7.8	64.8	77.6
<b>Total</b>	0.1	0.5	4.4	10.5	10.3	74.2	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 2.250 (17.4 %), Clear/FEW/SCT: N = 4.249 (32.8 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 12.951	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	1.3	3.4	2.7	1.5	8.7
NE	0.7	1.2	1.1	0.6	3.6
E	1.3	3.3	4.0	1.4	10.0
SE	1.9	4.7	4.7	2.9	14.1
S	1.0	6.3	5.4	2.7	15.3
SW	1.4	7.4	6.2	3.1	18.1
W	1.7	6.2	5.5	2.4	15.7
NW	1.2	4.3	4.4	3.4	13.4
Calm	1.0	-	-	-	1.0
<b>Total</b>	11.3	36.7	34.1	17.9	100.0

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 13.090	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	1.6	0.1	-	-	-	-	1.8
150 - 350 m	0.2	0.2	0.1	-	-	-	0.5
350 - 600 m	0.1	0.2	0.2	-	-	-	0.5
600 - 800 m	-	-	0.1	-	-	-	0.1
800 - 1500 m	-	-	0.8	0.1	-	0.1	1.1
1.5 - 3.0 km	0.1	0.1	2.0	1.1	0.3	0.6	4.2
3.0 - 5.0 km	-	-	2.4	2.3	0.8	2.6	8.1
5.0 - 8.0 km	-	-	1.1	3.3	1.8	4.3	10.5
> 8.0 km	-	-	0.6	5.5	9.2	58.0	73.2
<b>Total</b>	2.0	0.7	7.2	12.4	12.1	65.6	100.0

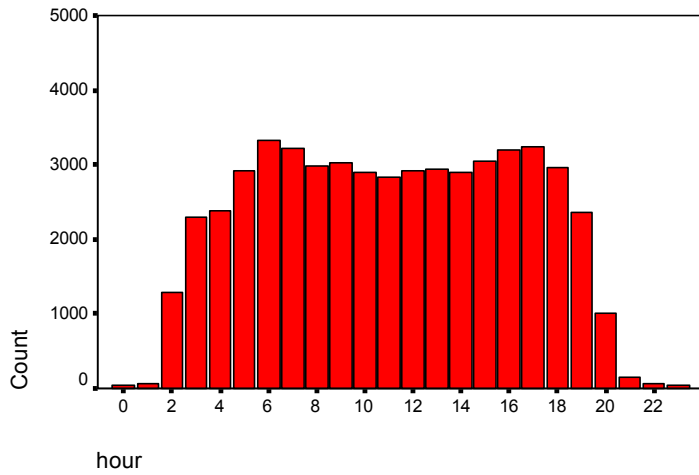
CAVOK or Sky Clear plus >10 km VIS: N = 2.970 (22.7 %), Clear/FEW/SCT: N = 3.400 (26.0 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 13.090	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	1.1	3.8	2.4	1.2	8.5
NE	0.6	1.5	1.5	0.9	4.6
E	0.8	3.3	2.2	3.6	9.9
SE	1.2	3.9	3.2	1.8	10.1
S	.9	5.2	5.5	3.3	14.8
SW	1.4	6.4	8.8	5.9	22.4
W	1.8	6.7	5.7	3.3	17.6
NW	1.1	4.5	3.2	2.2	11.0
Calm	0.9	-	-	-	0.9
<b>Total</b>	9.9	35.3	32.5	22.3	100.0

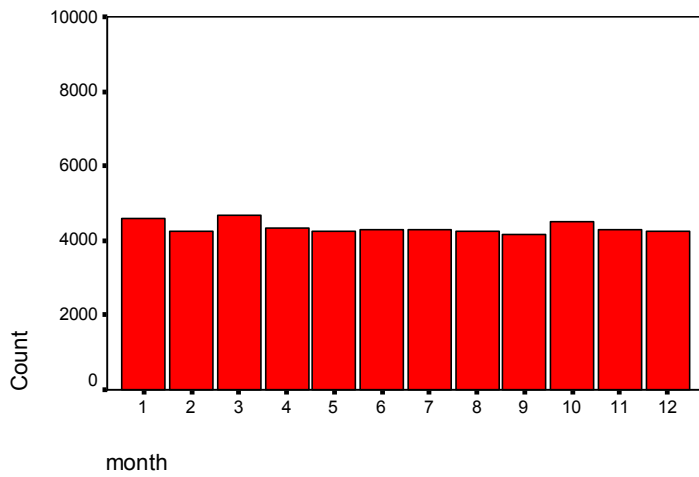
## Hourly Distribution of Observations

Tyra Øst - Heliport



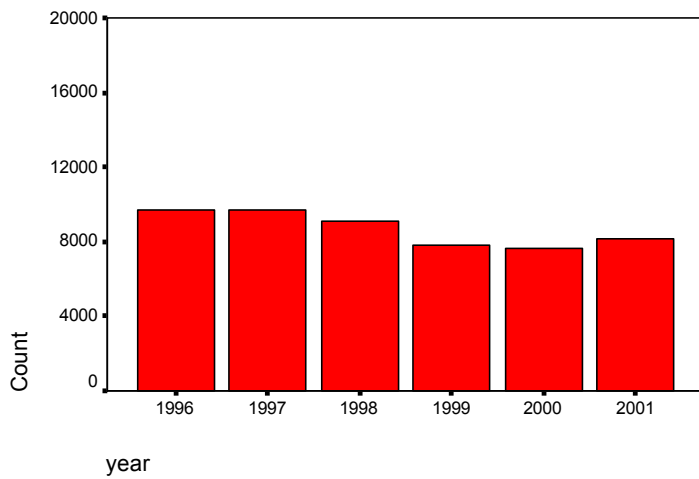
## Monthly Distribution of Observations

Tyra Øst - Heliport



## Yearly Distribution of Observations

Tyra Øst - Heliport



# 06100 Vandel – Airport (EKVA)

Lat. 55.700°N Long. 9.190°E (55 42 00N 009 11 24E)

## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	8.8	7.3 – 9.8
Mean Max. Temp (°C)	10.9	9.6 - 11.9
Max. Temp (°C)	28.3	27.0 – 31.0
Mean Min. Temp (°C)	5.8	4.0 – 7.2
Min. Temp (°C)	-14.2	-15.0 to -12.0
No. Days with Frost	39	17 – 69
Mean Relative Humidity (%)	83	78 – 86
No. Days with Fog	35	27 – 49
No. Days with Snow	13	3 – 30
Mean Wind-Speed (m/s)	4.4	4.1 – 4.8
Max. Wind-Speed (m/s)	17.1	13.4 - 24.0

Parameter (from Synop Data)	Mean	Range
No. Clear Days	-	-
No. Cloudy Days	-	-
Precipitation (mm)	-	-
No. Days with Precip. > 0.1 mm	-	-
No. Days with Precip. > 1 mm	-	-
No. Days with Precip. > 10 mm	-	-
Highest 24-hour Precip. (mm)	-	-

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 28.272	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.2
150 - 350 m	1.1	-	0.1	-	-	0.1	1.3
350 - 600 m	1.0	0.4	0.1	-	-	0.1	1.6
600 - 800 m	0.3	0.5	0.2	-	-	-	1.1
800 - 1500 m	0.2	0.7	1.1	0.1	-	0.1	2.2
1.5 - 3.0 km	-	0.6	5.4	2.0	0.4	1.1	9.5
3.0 - 5.0 km	-	-	3.6	4.6	1.1	3.1	12.4
5.0 - 8.0 km	-	-	0.9	4.4	1.9	5.4	12.5
> 8.0 km	-	-	0.3	4.1	6.6	48.4	59.4
Total	2.8	2.2	11.6	15.3	9.9	58.2	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 5.032 (17.8 %), Clear/FEW/SCT: N = 6.505 (23.0 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 28.272	0 - 5 m/s	5.1 - 10 m/s	10.1 – 15 m/s	> 15 m/s	Total
N	7.5	1.0	-	-	8.5
NE	2.4	1.5	-	-	3.9
E	6.8	7.2	0.3	-	14.3
SE	9.7	4.9	0.1	-	14.7
S	8.8	1.0	-	-	9.8
SW	9.7	6.0	0.2	-	15.9
W	10.1	11.2	1.0	-	22.3
NW	4.4	4.5	0.5	-	9.5
Calm	1.0	-	-	-	1.1
Total	60.3	37.3	2.3	0.1	100.0



# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 7.455	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	-	0.2
150 - 350 m	0.5	0.1	0.1	-	-	-	0.7
350 - 600 m	0.4	0.4	-	-	-	-	0.8
600 - 800 m	0.1	0.6	0.2	-	-	-	0.9
800 - 1500 m	0.2	0.7	0.9	0.2	-	0.1	2.0
1.5 - 3.0 km	-	0.5	5.9	2.0	0.7	1.4	10.5
3.0 - 5.0 km	-	-	4.1	5.0	0.9	4.2	14.2
5.0 - 8.0 km	-	-	1.3	5.2	1.7	6.8	15.0
> 8.0 km	-	-	0.3	4.5	7.7	43.2	55.7
<b>Total</b>	<b>1.5</b>	<b>2.2</b>	<b>12.7</b>	<b>17.0</b>	<b>11.1</b>	<b>55.6</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 1.984 (26.6 %), Clear/FEW/SCT: N = 1.526 (20.5 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 7.455	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.8	1.4	0.1	-	8.4
NE	2.7	2.6	-	-	5.4
E	8.9	11.8	0.4	-	21.0
SE	8.3	5.2	0.1	-	13.6
S	7.1	0.4	-	-	7.5
SW	6.5	4.4	-	-	10.9
W	8.2	11.4	1.4	-	21.0
NW	4.9	5.8	0.6	0.1	11.4
Calm	0.8	-	-	-	0.8
<b>Total</b>	<b>54.3</b>	<b>43.0</b>	<b>2.6</b>	<b>0.1</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 7.245	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.1	-	-	-	-	-	0.1
350 - 600 m	0.1	0.1	-	-	-	0.1	0.4
600 - 800 m	0.1	0.1	-	-	-	-	0.1
800 - 1500 m	-	0.2	0.1	-	-	0.1	0.3
1.5 - 3.0 km	0.1	0.2	1.0	0.8	0.2	0.6	2.8
3.0 - 5.0 km	-	-	1.7	2.1	0.6	2.5	6.8
5.0 - 8.0 km	-	-	0.5	2.6	0.9	5.0	9.0
> 8.0 km	-	-	0.3	2.6	5.5	72.0	80.4
<b>Total</b>	<b>0.4</b>	<b>0.5</b>	<b>3.6</b>	<b>8.0</b>	<b>7.1</b>	<b>80.3</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 1.405 (19.4 %), Clear/FEW/SCT: N = 1.898 (26.2 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 7.245	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.6	0.2	-	-	6.7
NE	2.1	0.4	-	-	2.4
E	6.9	3.5	-	-	10.5
SE	9.4	3.9	-	-	13.3
S	7.4	0.3	-	-	7.6
SW	10.3	5.4	0.1	-	15.7
W	13.4	14.1	1.1	-	28.6
NW	5.6	6.7	0.4	-	12.7
Calm	2.3	-	-	-	2.3
<b>Total</b>	<b>63.9</b>	<b>34.5</b>	<b>1.6</b>	<b>-</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 7.501	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.9	-	-	-	-	0.2	1.1
350 - 600 m	0.7	0.3	0.1	-	-	0.1	1.2
600 - 800 m	0.2	0.4	0.4	-	-	-	1.0
800 - 1500 m	-	0.4	1.2	0.2	-	0.2	2.1
1.5 - 3.0 km	-	0.2	3.9	2.1	0.6	1.7	8.5
3.0 - 5.0 km	-	0.1	2.6	4.9	1.4	3.0	12.0
5.0 - 8.0 km	-	-	0.4	4.7	3.0	6.0	14.0
> 8.0 km	-	-	0.1	3.2	5.4	51.2	59.9
<b>Total</b>	<b>1.9</b>	<b>1.4</b>	<b>8.8</b>	<b>15.2</b>	<b>10.3</b>	<b>62.4</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 908 (12.1 %), Clear/FEW/SCT: N = 1.870 (24.9 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 7.501	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	7.7	0.9	-	-	8.6
NE	2.2	1.2	-	-	3.4
E	6.3	9.1	0.5	-	16.0
SE	10.8	6.3	0.1	-	17.1
S	12.1	2.1	0.1	-	14.2
SW	11.1	4.5	0.1	-	15.7
W	9.5	7.4	0.7	-	17.6
NW	3.9	2.3	0.4	-	6.7
Calm	0.7	-	-	-	0.7
<b>Total</b>	<b>64.4</b>	<b>33.8</b>	<b>1.8</b>	<b>-</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 6.071	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	-	0.2
150 - 350 m	2.7	-	0.2	-	-	-	3.0
350 - 600 m	2.8	0.8	0.3	-	-	0.1	4.0
600 - 800 m	0.9	1.0	0.3	-	-	-	2.2
800 - 1500 m	0.6	1.4	1.9	0.1	-	0.1	4.2
1.5 - 3.0 km	0.1	1.4	10.7	3.0	0.1	0.5	15.9
3.0 - 5.0 km	-	0.1	6.1	6.2	1.3	2.6	16.3
5.0 - 8.0 km	-	-	1.5	5.0	1.8	3.6	11.9
> 8.0 km	-	-	0.5	6.3	7.9	27.4	42.2
<b>Total</b>	<b>7.2</b>	<b>4.8</b>	<b>21.6</b>	<b>20.7</b>	<b>11.2</b>	<b>34.5</b>	<b>100.0</b>

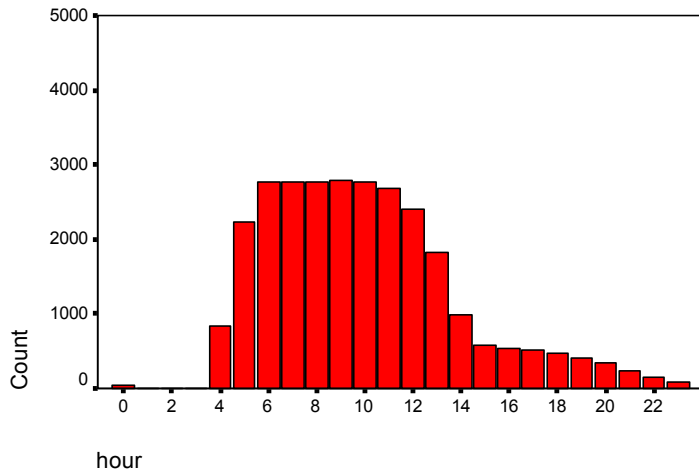
CAVOK or Sky Clear plus >10 km VIS: N = 735 (12.1 %), Clear/FEW/SCT: N = 1.211 (20.0 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 6.071	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	9.2	1.5	-	-	10.6
NE	2.4	1.9	0.1	-	4.4
E	4.6	3.7	0.4	-	8.7
SE	10.5	3.9	0.4	-	14.8
S	8.3	1.5	-	-	9.7
SW	11.3	10.4	0.7	-	22.4
W	9.0	12.1	1.0	0.2	22.3
NW	2.9	3.0	0.7	-	6.7
Calm	0.3	-	-	-	0.3
<b>Total</b>	<b>58.4</b>	<b>37.9</b>	<b>3.4</b>	<b>0.3</b>	<b>100.0</b>

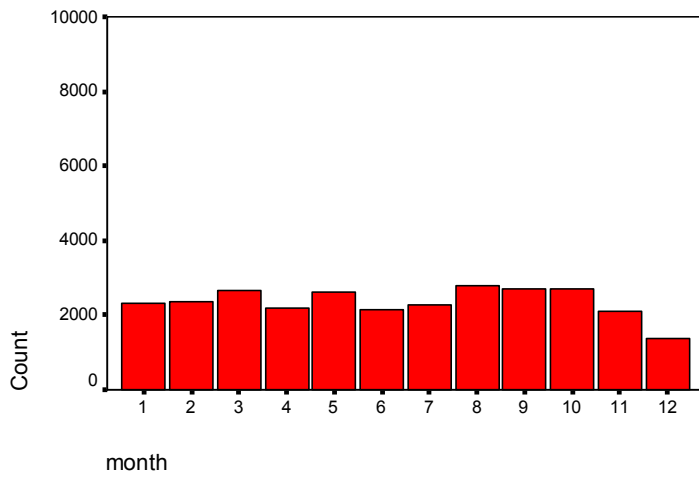
## Hourly Distribution of Observations

Vandel Airport



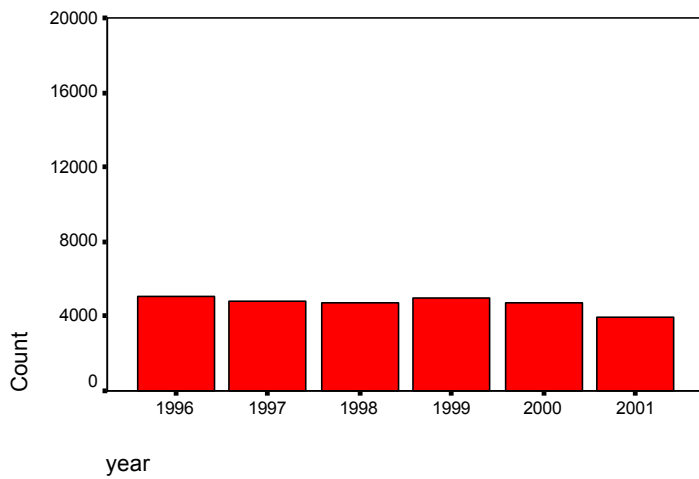
## Monthly Distribution of Observations

Vandel Airport



## Yearly Distribution of Observations

Vandel Airport



# 06110 Vojens-Skrydstrup Airport (EKSP)

Lat. 55.226°N Long. 9.264°E (55 13 32N 009 15 50E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	8.3	6.7 – 8.9
Mean Max. Temp (°C)	11.6	10.1 - 12.3
Max. Temp (°C)	29.0	27.0 – 31.0
Mean Min. Temp (°C)	4.5	3.0 – 5.4
Min. Temp (°C)	-13.8	-12.0 to -16.0
No. Days with Frost	82	49 – 130
Mean Relative Humidity (%)	86	85 – 88
No. Days with Fog	96	80 – 113
No. Days with Snow	34	22 – 59
Mean Wind-Speed (m/s)	4.7	4.3 – 5.0
Max. Wind-Speed (m/s)	20.3	16.5 - 29.9

Parameter (from Synop Data)	Mean	Range
No. Clear Days	18	9 – 24
No. Cloudy Days	138	118 - 161
Precipitation (mm)	834	608 - 1075
No. Days with Precip. > 0.1 mm	189	139 – 216
No. Days with Precip. > 1 mm	139	99 - 163
No. Days with Precip. > 10 mm	25	20 – 34
Highest 24-hour Precip. (mm)	30	25 – 36

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 101.536	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.4	-	-	-	-	-	0.5
150 - 350 m	1.1	-	-	-	-	0.1	1.2
350 - 600 m	1.0	0.1	-	-	-	0.1	1.2
600 - 800 m	0.5	0.2	0.1	-	-	0.1	0.9
800 - 1500 m	0.5	0.8	0.7	0.2	-	0.2	2.4
1.5 - 3.0 km	0.1	0.7	4.6	1.5	0.4	1.3	8.7
3.0 - 5.0 km	-	0.1	4.3	4.8	1.5	4.1	14.7
5.0 - 8.0 km	-	-	1.0	5.7	3.5	8.2	18.4
> 8.0 km	-	-	0.2	3.3	5.9	42.5	52.0
Total	3.7	1.9	10.9	15.5	11.3	56.7	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 19.224 (18.9 %), Clear/FEW/SCT: N = 24.832 (24.5 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 101.536	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.3	0.5	-	-	5.7
NE	4.5	1.5	0.1	-	6.1
E	9.0	6.3	0.3	-	15.6
SE	6.0	3.8	0.2	-	9.9
S	9.0	3.6	0.2	-	12.7
SW	8.4	7.3	1.3	0.1	17.2
W	10.4	11.0	1.7	0.1	23.2
NW	5.2	3.5	0.3	-	9.0
Calm	0.5	-	-	-	0.5
Total	58.2	37.5	4.1	0.2	100.0

# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 26.249	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	-	0.4
150 - 350 m	0.8	-	-	-	-	-	0.8
350 - 600 m	0.8	0.1	0.1	-	-	0.1	1.1
600 - 800 m	0.6	0.2	0.1	-	-	0.1	1.0
800 - 1500 m	0.7	0.8	0.7	0.3	-	0.2	2.8
1.5 - 3.0 km	0.2	1.1	4.8	1.7	0.2	1.0	9.1
3.0 - 5.0 km	-	0.1	5.0	4.5	1.1	4.4	15.2
5.0 - 8.0 km	-	-	1.1	5.7	3.0	8.5	18.3
> 8.0 km	-	-	0.4	4.3	6.6	40.2	51.4
<b>Total</b>	<b>3.4</b>	<b>2.3</b>	<b>12.3</b>	<b>16.5</b>	<b>10.9</b>	<b>54.5</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 6.959 (26.5 %), Clear/FEW/SCT: N = 5.607 (21.4 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 26.249	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.5	0.7	-	-	6.2
NE	6.1	2.3	0.1	-	8.5
E	10.7	9.7	0.3	-	20.7
SE	5.3	3.1	0.2	-	8.6
S	6.3	2.0	-	-	8.3
SW	6.9	5.9	0.6	0.1	13.4
W	9.8	10.6	2.2	0.1	22.6
NW	6.4	4.3	0.3	-	11.1
Calm	0.7	-	-	-	0.7
<b>Total</b>	<b>57.6</b>	<b>38.6</b>	<b>3.7</b>	<b>0.1</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 26.304	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	0.1	0.4
150 - 350 m	0.1	-	-	-	-	0.1	0.3
350 - 600 m	0.1	-	-	-	-	0.1	0.2
600 - 800 m	0.1	-	-	-	-	0.1	0.2
800 - 1500 m	0.1	0.1	0.1	-	-	0.2	0.4
1.5 - 3.0 km	-	0.1	1.1	0.5	0.3	0.9	2.9
3.0 - 5.0 km	-	-	1.4	2.1	0.9	3.2	7.6
5.0 - 8.0 km	-	-	0.5	3.0	2.1	7.8	13.4
> 8.0 km	-	-	0.1	2.9	6.9	64.6	74.6
<b>Total</b>	<b>0.7</b>	<b>0.3</b>	<b>3.3</b>	<b>8.6</b>	<b>10.2</b>	<b>77.0</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 6.118 (23.3 %), Clear/FEW/SCT: N = 7.777 (29.6 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 26.304	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.1	0.1	-	-	4.2
NE	3.9	0.7	-	-	4.7
E	9.9	3.7	-	-	13.6
SE	6.1	2.6	-	-	8.7
S	8.5	1.1	-	-	9.7
SW	9.3	4.8	0.2	-	14.2
W	16.0	14.9	0.8	-	31.6
NW	7.0	5.2	0.1	-	12.3
Calm	1.0	-	-	-	1.0
<b>Total</b>	<b>65.8</b>	<b>33.1</b>	<b>1.1</b>	<b>-</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 24.670	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.4	-	-	-	-	-	0.4
150 - 350 m	0.5	-	-	-	-	0.1	0.6
350 - 600 m	0.6	0.1	-	-	-	0.1	0.8
600 - 800 m	0.3	0.1	0.1	-	-	0.1	0.6
800 - 1500 m	0.2	0.7	0.7	0.1	-	0.3	2.0
1.5 - 3.0 km	-	0.4	4.2	1.6	0.3	1.8	8.3
3.0 - 5.0 km	-	-	3.0	5.7	1.7	4.4	14.8
5.0 - 8.0 km	-	-	0.6	5.0	4.4	9.6	19.6
> 8.0 km	-	-	0.1	2.6	4.8	45.5	52.9
<b>Total</b>	<b>2.1</b>	<b>1.4</b>	<b>8.5</b>	<b>15.0</b>	<b>11.2</b>	<b>61.8</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 3.393 (13.8 %), Clear/FEW/SCT: N = 6.515 (26.4 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 24.670	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.8	0.4	-	-	6.2
NE	3.5	1.0	-	-	4.5
E	8.8	6.3	0.3	-	15.4
SE	7.2	6.4	0.4	-	13.9
S	13.1	6.3	0.4	-	19.8
SW	8.8	6.7	1.2	-	16.8
W	7.9	7.5	1.3	0.1	16.8
NW	3.9	2.3	0.2	-	6.4
Calm	0.3	-	-	-	0.3
<b>Total</b>	<b>59.2</b>	<b>36.9</b>	<b>3.8</b>	<b>0.1</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 24.313	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.7	-	-	-	-	-	0.7
150 - 350 m	2.6	-	-	-	-	0.1	2.7
350 - 600 m	2.2	0.1	-	-	-	0.1	2.4
600 - 800 m	1.0	0.2	0.1	0.1	-	0.1	1.5
800 - 1500 m	1.0	1.4	1.1	0.2	0.1	0.3	4.1
1.5 - 3.0 km	0.2	1.3	7.4	2.1	0.6	1.4	13.0
3.0 - 5.0 km	-	0.1	7.0	6.3	1.9	4.1	19.5
5.0 - 8.0 km	-	-	1.7	8.3	4.2	7.2	21.3
> 8.0 km	-	-	0.3	3.4	5.8	25.4	34.8
<b>Total</b>	<b>7.7</b>	<b>3.2</b>	<b>17.5</b>	<b>20.4</b>	<b>12.6</b>	<b>38.6</b>	<b>100.0</b>

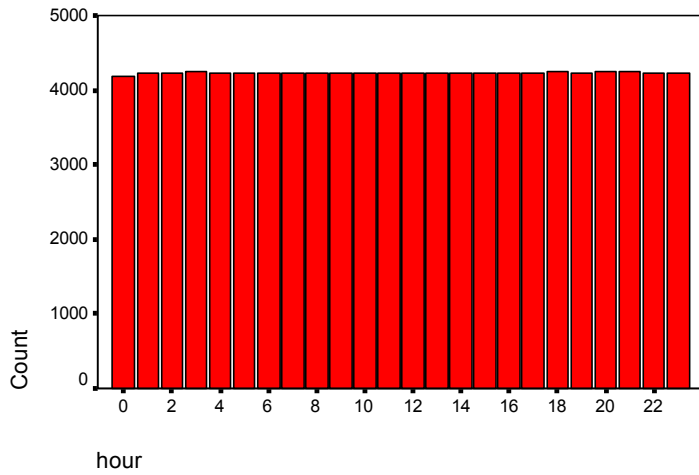
CAVOK or Sky Clear plus >10 km VIS: N = 2.754 (11.3 %), Clear/FEW/SCT: N = 4.933 (20.3 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 24.313	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.7	0.7	-	-	6.4
NE	4.2	2.1	0.3	-	6.5
E	6.5	5.3	0.7	-	12.5
SE	5.4	3.3	0.1	-	8.7
S	8.1	5.2	0.3	-	13.5
SW	8.8	12.4	3.4	0.2	24.9
W	7.6	10.7	2.8	0.3	21.3
NW	3.3	2.1	0.5	-	5.9
Calm	0.2	-	-	-	0.2
<b>Total</b>	<b>49.6</b>	<b>41.8</b>	<b>8.0</b>	<b>0.5</b>	<b>100.0</b>

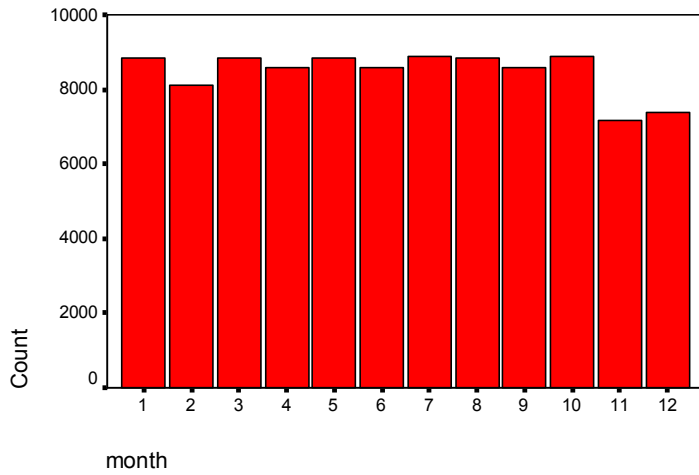
## Hourly Distribution of Observations

Skrydstrup Airport - Vojens



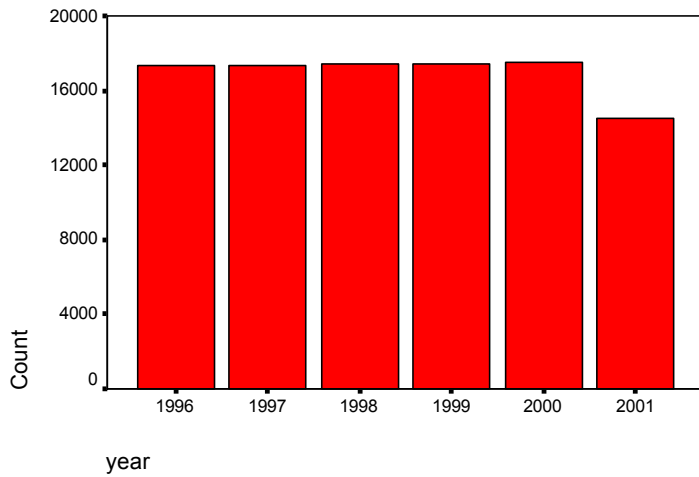
## Monthly Distribution of Observations

Skrydstrup Airport - Vojens



## Yearly Distribution of Observations

Skrydstrup Airport - Vojens



# 06160 Værlose Airport (EKVL)

Lat. 55.770°N Long. 12.330°E (55 46 12N 012 19 48E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	8.3	7.0 - 9.0
Mean Max. Temp (°C)	11.6	10.4 - 12.3
Max. Temp (°C)	28.5	26.0 - 31.0
Mean Min. Temp (°C)	4.4	3.2 - 5.2
Min. Temp (°C)	-14.3	-12.0 to -17.0
No. Days with Frost	86	65 - 120
Mean Relative Humidity (%)	86	82 - 88
No. Days with Fog	75	61 - 103
No. Days with Snow	33	18 - 67
Mean Wind-Speed (m/s)	4.0	3.6 - 4.5
Max. Wind-Speed (m/s)	19.7	14.4 - 25.7

Parameter (from Synop Data)	Mean	Range
No. Clear Days	15	4 - 23
No. Cloudy Days	146	131 - 170
Precipitation (mm)	588	385 - 721
No. Days with Precip. > 0.1 mm	173	148 - 195
No. Days with Precip. > 1 mm	108	72 - 128
No. Days with Precip. > 10 mm	15	7 - 21
Highest 24-hour Precip. (mm)	27	19 - 44

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 100.540	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	-	0.3
150 - 350 m	0.6	0.1	-	-	-	0.1	0.8
350 - 600 m	0.6	0.2	0.1	-	-	0.1	0.9
600 - 800 m	0.2	0.2	0.1	-	-	0.1	0.6
800 - 1500 m	0.2	0.6	0.9	0.2	0.1	0.3	2.3
1.5 - 3.0 km	-	0.4	3.6	1.6	0.4	1.4	7.4
3.0 - 5.0 km	-	-	2.1	3.6	1.0	3.2	10.0
5.0 - 8.0 km	-	-	0.9	3.8	2.2	7.0	13.8
> 8.0 km	-	-	0.2	4.1	5.8	53.7	63.9
<b>Total</b>	1.8	1.5	7.8	13.4	9.5	65.9	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 18.551 (18.5 %), Clear/FEW/SCT: N = 23.252 (23.1 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001)

No. Obs = 100.540	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	8.8	0.9	-	-	9.7
NE	3.5	0.7	-	-	4.2
E	11.9	6.0	0.2	-	18.1
SE	7.2	3.9	0.1	-	11.2
S	9.4	2.7	-	-	12.2
SW	7.9	5.6	0.3	-	13.9
W	11.2	9.6	1.6	0.1	22.5
NW	5.3	2.0	0.1	-	7.4
Calm	1.0	-	-	-	1.0
<b>Total</b>	66.3	31.4	2.3	0.1	100.0



# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs =25.986	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	-	0.2
150 - 350 m	0.4	-	-	-	-	0.1	0.5
350 - 600 m	0.4	0.1	-	-	-	0.1	0.6
600 - 800 m	0.2	0.1	0.1	-	-	-	0.4
800 - 1500 m	0.2	0.3	0.8	0.4	0.1	0.2	2.0
1.5 - 3.0 km	0.1	0.5	2.6	1.5	0.5	1.4	6.5
3.0 - 5.0 km	-	0.1	1.8	3.2	0.9	3.1	9.1
5.0 - 8.0 km	-	-	1.1	3.4	1.8	8.1	14.4
> 8.0 km	-	-	0.3	5.5	5.9	54.6	66.3
Total	1.4	1.1	6.7	13.8	9.3	67.7	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 7.271 (28.0 %), Clear/FEW/SCT: N = 5.420 (20.9 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 25.986	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	8.4	1.2	-	-	9.6
NE	4.4	0.9	-	-	5.2
E	12.8	9.0	0.2	-	22.0
SE	6.9	3.9	0.1	-	11.0
S	8.1	2.1	-	-	10.2
SW	5.4	3.5	0.3	-	9.2
W	10.6	9.0	1.9	0.1	21.7
NW	6.6	3.2	0.2	-	10.0
Calm	1.0	-	-	-	1.0
Total	64.3	32.8	2.8	0.1	100.0

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 26.076	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	0.1
150 - 350 m	0.1	-	-	-	-	-	0.2
350 - 600 m	0.1	-	-	-	-	-	0.2
600 - 800 m	-	0.1	-	-	-	0.1	0.2
800 - 1500 m	-	0.1	-	-	-	0.1	0.3
1.5 - 3.0 km	-	0.1	0.5	0.4	0.1	0.9	2.0
3.0 - 5.0 km	-	-	0.5	1.0	0.4	2.4	4.3
5.0 - 8.0 km	-	-	0.3	1.2	0.9	5.7	8.1
> 8.0 km	-	-	0.1	2.1	4.5	78.0	84.7
Total	0.2	0.3	1.4	4.7	5.9	87.4	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 5.902 (22.6 %), Clear/FEW/SCT: N = 7.552 (29.0 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 26.076	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	9.1	0.2	-	-	9.3
NE	2.9	0.2	-	-	3.1
E	11.1	3.2	0.1	-	14.4
SE	7.6	3.0	-	-	10.7
S	8.3	1.4	-	-	9.7
SW	8.3	3.0	-	-	11.4
W	16.1	13.8	0.9	-	30.8
NW	7.0	1.7	-	-	8.8
Calm	1.9	-	-	-	1.9
Total	72.3	26.5	1.2	0.0	100.0

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 24.432	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	0.1	0.4
150 - 350 m	0.5	0.1	-	-	-	0.2	0.8
350 - 600 m	0.5	-	0.1	-	-	0.2	0.9
600 - 800 m	0.1	0.1	0.1	0.1	-	0.2	0.6
800 - 1500 m	0.1	0.4	0.8	0.2	0.2	0.5	2.1
1.5 - 3.0 km	-	0.1	3.0	1.9	0.5	1.7	7.2
3.0 - 5.0 km	-	-	1.6	3.6	1.2	3.9	10.3
5.0 - 8.0 km	-	-	0.5	3.7	2.6	8.1	14.9
> 8.0 km	-	-	0.2	2.5	5.5	54.5	62.7
<b>Total</b>	1.6	0.7	6.3	12.1	10.0	69.3	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 2.840 (11.6 %), Clear/FEW/SCT: N = 5.697 (23.3 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 24.432	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	8.7	1.0	-	-	9.7
NE	2.8	0.5	-	-	3.3
E	15.4	7.6	-	-	23.0
SE	8.4	4.5	-	-	12.9
S	11.5	3.5	-	-	15.0
SW	8.5	6.4	0.2	-	15.2
W	8.1	6.8	1.2	-	16.1
NW	3.2	1.1	-	-	4.3
Calm	0.5	-	-	-	0.5
<b>Total</b>	67.0	31.4	1.6	-	100.0

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

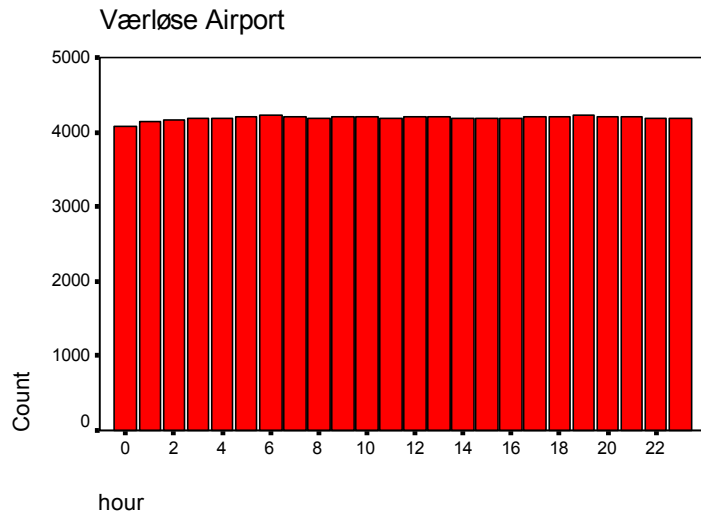
No. Obs = 24.046	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	-	0.3
150 - 350 m	1.3	0.1	-	-	-	-	1.4
350 - 600 m	1.1	0.5	0.1	-	-	-	1.8
600 - 800 m	0.4	0.4	0.1	-	-	0.1	1.1
800 - 1500 m	0.4	1.5	1.6	0.3	0.1	0.3	4.3
1.5 - 3.0 km	0.1	0.9	7.2	2.2	0.3	1.5	12.2
3.0 - 5.0 km	-	0.1	4.0	5.9	1.3	3.3	14.5
5.0 - 8.0 km	-	-	1.4	6.2	3.1	5.9	16.7
> 8.0 km	-	-	0.4	6.2	7.0	34.2	47.7
<b>Total</b>	3.6	3.6	14.9	20.8	11.9	45.2	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 2.538 (10.6 %), Clear/FEW/SCT: N = 4.583 (19.1 %)

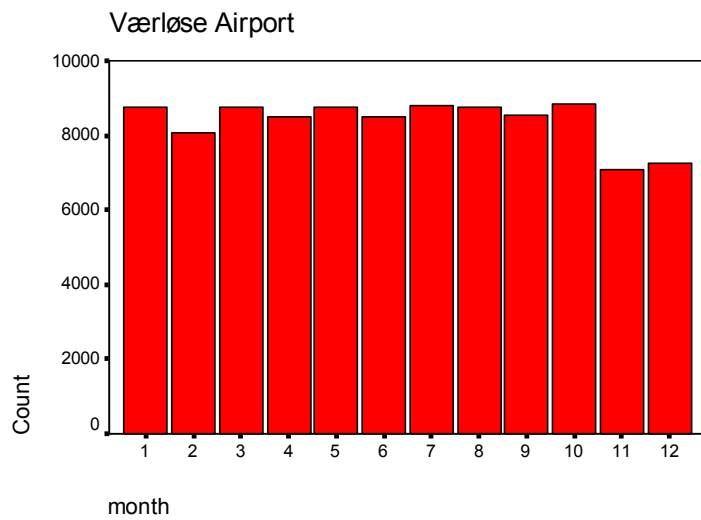
## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 24.046	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	8.9	1.3	-	-	10.2
NE	3.8	1.2	0.2	-	5.1
E	8.1	4.3	0.3	-	12.8
SE	6.0	4.1	0.1	-	10.1
S	10.0	4.1	0.1	-	14.2
SW	9.8	9.9	0.7	-	20.4
W	9.7	8.5	2.2	0.2	20.7
NW	4.3	1.7	0.1	-	6.1
Calm	0.4	-	-	-	0.4
<b>Total</b>	61.0	35.1	3.7	0.2	100.0

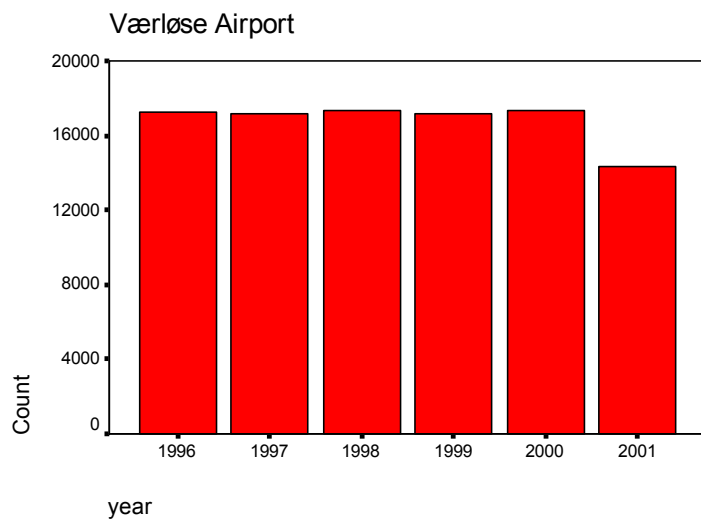
## Hourly Distribution of Observations



## Monthly Distribution of Observations



## Yearly Distribution of Observations



# 06010 Vagar Airport (EKVG) – Faroe Islands

Lat. 62.064°N Long. 7.277°W (62 03 49N 007 16 38E)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	6.9	6.6 – 7.4
Mean Max. Temp (°C)	8.0	7.7 - 8.3
Max. Temp (°C)	18.7	16.0 – 21.0
Mean Min. Temp (°C)	5.1	4.9 – 5.5
Min. Temp (°C)	-7.3	-10.0 to -4.0
No. Days with Frost	50	35 – 59
Mean Relative Humidity (%)	85	82 – 88
No. Days with Fog	47	38 – 59
No. Days with Snow	41	27– 55
Mean Wind-Speed (m/s)	6.8	6.5 – 7.0
Max. Wind-Speed (m/s)	25.8	22.1 - 28.8

Parameter (from Synop Data)	Mean	Range
No. Clear Days	-	-
No. Cloudy Days	-	-
Precipitation (mm)	1370	1180 – 1606
No. Days with Precip. > 0.1 mm	266	246 - 284
No. Days with Precip. > 1 mm	190	168 - 207
No. Days with Precip. > 10 mm	47	38 - 55
Highest 24-hour Precip. (mm)	43	30 – 68

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 34.124	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.2
150 - 350 m	0.3	0.1	-	-	-	-	0.4
350 - 600 m	0.1	0.2	0.1	-	-	-	0.5
600 - 800 m	0.1	0.3	0.2	-	-	-	0.7
800 - 1500 m	0.2	0.6	1.2	0.1	0.1	0.1	2.2
1.5 - 3.0 km	0.1	0.5	3.8	0.8	0.2	0.2	5.6
3.0 - 5.0 km	-	0.2	3.6	1.9	0.6	0.5	6.8
5.0 - 8.0 km	-	0.1	2.7	2.6	1.4	1.0	7.8
> 8.0 km	-	-	2.0	7.0	11.8	55.1	75.9
Total	1.0	2.0	13.6	12.4	14.1	56.9	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 1.063 (3.1 %), Clear/FEW/SCT: N = 8.144 (23.9 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 34.124	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	6.1	6.4	2.5	0.5	15.6
NE	1.5	1.7	0.5	0.1	3.8
E	1.3	4.1	2.8	0.6	8.8
SE	5.9	8.8	3.9	1.0	19.7
S	4.8	8.6	1.3	0.1	14.8
SW	4.3	3.3	0.4	-	8.1
W	4.9	8.4	2.8	0.5	16.6
NW	2.8	4.8	2.0	0.5	10.1
Calm	2.2	0.2	-	-	2.5
Total	33.9	46.5	16.2	3.4	100.0

# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 8.302	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.1	-	-	-	-	-	0.1
350 - 600 m	0.2	0.2	-	-	-	-	0.5
600 - 800 m	0.1	0.4	0.1	-	-	-	0.7
800 - 1500 m	0.2	0.5	0.9	0.1	0.2	0.1	1.9
1.5 - 3.0 km	0.1	0.3	3.1	0.5	0.5	0.3	4.7
3.0 - 5.0 km	0.1	0.2	3.0	1.7	0.6	0.5	6.1
5.0 - 8.0 km	-	-	2.3	2.4	1.6	1.0	7.3
> 8.0 km	-	-	1.2	5.0	11.0	61.5	78.6
<b>Total</b>	<b>0.7</b>	<b>1.6</b>	<b>10.6</b>	<b>9.8</b>	<b>13.8</b>	<b>63.5</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 282 (3.4 %), Clear/FEW/SCT: N = 2.286 (27.5 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 8.302	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.2	9.1	3.8	1.1	19.2
NE	2.3	3.4	1.1	0.1	6.9
E	1.3	4.5	3.0	0.6	9.3
SE	5.5	8.5	3.7	0.8	18.6
S	3.8	6.1	1.1	0.1	11.1
SW	4.6	2.9	0.3	-	7.7
W	4.1	8.9	2.4	0.5	15.8
NW	2.7	4.5	1.8	0.1	9.1
Calm	1.8	0.3	-	-	2.1
<b>Total</b>	<b>31.4</b>	<b>48.2</b>	<b>17.2</b>	<b>3.2</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 9.410	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.5	-	-	-	-	-	0.5
150 - 350 m	0.7	0.2	0.1	-	-	-	1.1
350 - 600 m	0.2	0.4	0.3	-	-	-	1.0
600 - 800 m	0.2	0.4	0.5	0.1	-	-	1.2
800 - 1500 m	0.4	1.1	2.1	0.1	-	0.1	3.8
1.5 - 3.0 km	0.2	0.7	5.4	0.8	0.2	0.1	7.4
3.0 - 5.0 km	0.1	0.3	5.3	2.0	0.3	0.2	8.3
5.0 - 8.0 km	0.1	0.1	3.2	2.9	1.0	0.6	7.9
> 8.0 km	-	0.1	3.4	10.2	12.6	42.4	68.8
<b>Total</b>	<b>2.3</b>	<b>3.4</b>	<b>20.2</b>	<b>16.2</b>	<b>14.3</b>	<b>43.6</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 297 (3.2 %), Clear/FEW/SCT: N = 2.069 (22.0 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 9.410	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.2	6.4	1.5	0.1	12.2
NE	1.1	1.1	-	-	2.2
E	1.4	3.3	1.6	0.1	6.4
SE	8.6	11.7	2.2	0.1	22.5
S	7.1	10.5	0.3	-	17.9
SW	6.4	3.1	-	-	9.5
W	7.7	8.5	0.8	-	17.0
NW	2.7	6.6	0.8	-	10.1
Calm	1.9	0.2	-	-	2.1
<b>Total</b>	<b>41.1</b>	<b>51.4</b>	<b>7.2</b>	<b>0.4</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 8.401	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.1	-	-	-	-	-	0.2
350 - 600 m	0.1	0.2	0.1	-	-	-	0.4
600 - 800 m	-	0.3	0.2	-	-	-	0.5
800 - 1500 m	0.1	0.5	1.0	0.1	-	-	1.9
1.5 - 3.0 km	0.1	0.7	4.0	1.0	0.2	0.2	6.2
3.0 - 5.0 km	-	0.2	3.5	2.2	0.7	0.5	7.0
5.0 - 8.0 km	-	-	2.7	2.6	1.2	1.0	7.5
> 8.0 km	-	-	2.2	7.1	11.3	55.6	76.3
<b>Total</b>	<b>0.6</b>	<b>1.9</b>	<b>13.8</b>	<b>13.0</b>	<b>13.4</b>	<b>57.4</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 173 (2.1 %), Clear/FEW/SCT: N = 1.923 (22.9 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 8.401	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.5	5.1	2.6	0.5	13.7
NE	1.1	1.2	0.6	0.1	3.0
E	1.2	5.1	4.4	1.0	11.6
SE	5.4	9.3	5.2	1.0	21.0
S	4.1	9.0	1.4	0.1	14.5
SW	2.9	3.3	0.5	-	6.7
W	4.4	8.4	3.4	0.4	16.6
NW	3.1	4.7	1.9	1.0	10.7
Calm	2.0	0.2	-	-	2.2
<b>Total</b>	<b>29.7</b>	<b>46.1</b>	<b>20.1</b>	<b>4.1</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 8.011	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	0.1
350 - 600 m	-	0.1	-	-	-	-	0.1
600 - 800 m	-	0.1	0.1	0.1	-	-	0.3
800 - 1500 m	-	0.1	0.4	0.1	0.1	-	0.8
1.5 - 3.0 km	-	0.2	2.2	0.8	0.2	0.3	3.8
3.0 - 5.0 km	-	0.1	2.3	1.4	0.7	1.0	5.6
5.0 - 8.0 km	-	0.1	2.4	2.6	1.8	1.4	8.3
> 8.0 km	-	-	0.9	4.9	12.1	63.4	81.2
<b>Total</b>	<b>0.1</b>	<b>0.8</b>	<b>8.4</b>	<b>9.8</b>	<b>14.9</b>	<b>66.1</b>	<b>100.0</b>

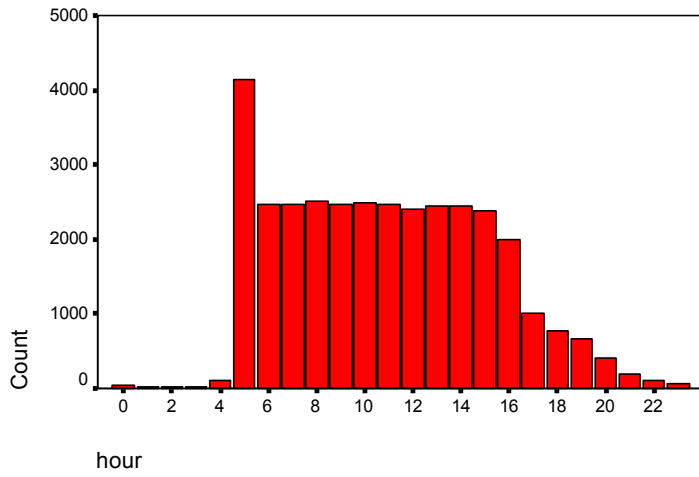
CAVOK or Sky Clear plus >10 km VIS: N = 311 (3.9 %), Clear/FEW/SCT: N = 1.866 (23.3 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 8.011	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	10.1	5.0	2.4	0.5	18.0
NE	1.5	1.2	0.3	-	3.1
E	1.4	3.7	2.2	0.7	8.0
SE	3.7	5.3	4.8	2.4	16.3
S	3.6	8.7	2.6	0.4	15.3
SW	3.1	4.1	0.9	-	8.2
W	3.0	7.8	4.8	1.3	16.9
NW	2.6	3.3	3.5	1.0	10.5
Calm	3.4	0.2	0.1	-	3.7
<b>Total</b>	<b>32.5</b>	<b>39.4</b>	<b>21.7</b>	<b>6.3</b>	<b>100.0</b>

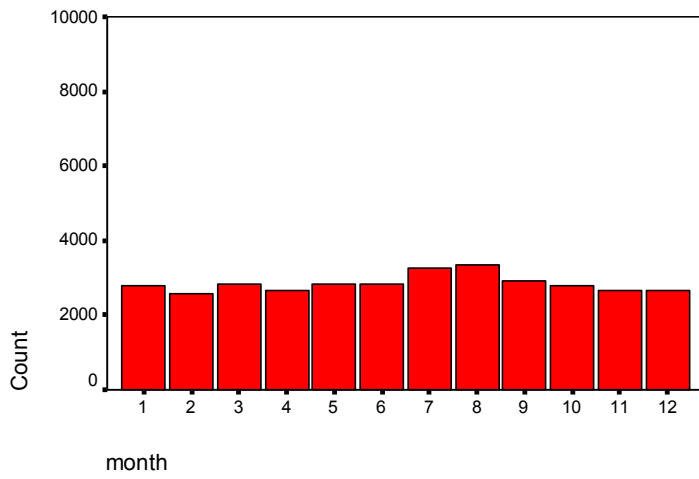
## Hourly Distribution of Observations

### Vagar Airport



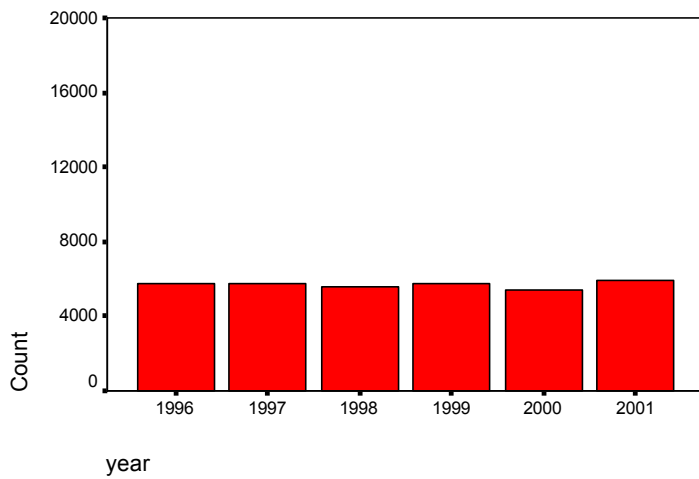
## Monthly Distribution of Observations

### Vagar Airport



## Yearly Distribution of Observations

### Vagar Airport



# 04221 Ilulissat Airport (BGJN)

Lat. 69.243°N Long. 51.057°W (69 14 36N 051 03 25W)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	-3.1	-4.5 to -2.2
Mean Max. Temp (°C)	-1.4	-2.7 to -0.8
Max. Temp (°C)	18.2	16.0 – 19.0
Mean Min. Temp (°C)	-5.7	-6.9 to -4.9
Min. Temp (°C)	-33.2	-42.0 to -26.0
No. Days with Frost	222	199 – 241
Mean Relative Humidity (%)	73	71 – 76
No. Days with Fog	30	24 – 34
No. Days with Snow	136	120– 162
Mean Wind-Speed (m/s)	3.9	3.7 – 4.2
Max. Wind-Speed (m/s)	18.0	16.0 - 20.6

Parameter (from Synop Data)	Mean	Range
No. Clear Days	8	0 - 15
No. Cloudy Days	23	7 - 31
Precipitation (mm)	-	-
No. Days with Precip. > 0.1 mm	-	-
No. Days with Precip. > 1 mm	-	-
No. Days with Precip. > 10 mm	-	-
Highest 24-hour Precip. (mm)	-	-

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 28.570	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	0.1
350 - 600 m	0.1	0.1	0.1	-	-	-	0.4
600 - 800 m	-	-	0.1	-	-	-	0.3
800 - 1500 m	-	0.1	0.3	0.3	0.1	0.3	1.1
1.5 - 3.0 km	-	0.1	0.2	0.7	0.4	1.0	2.3
3.0 - 5.0 km	-	-	0.2	0.5	0.8	2.9	4.5
5.0 - 8.0 km	-	-	0.2	0.5	0.8	3.8	5.3
> 8.0 km	-	-	0.3	2.1	3.8	79.9	86.1
Total	0.2	0.4	1.4	4.2	6.0	87.9	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 2.672 (9.4 %), Clear/FEW/SCT: N = 9.274 (32.5 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 28.570	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	15.1	2.3	0.3	-	17.6
NE	5.2	0.8	-	-	6.1
E	6.5	12.4	3.2	0.1	22.2
SE	10.6	3.7	0.5	0.1	14.8
S	9.3	4.0	0.3	-	13.7
SW	3.8	1.3	0.1	-	5.3
W	6.2	0.1	-	-	6.3
NW	8.3	-	-	-	8.4
Calm	5.7	0.1	-	-	5.7
Total	70.6	24.6	4.5	0.3	100.0



# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 7.524	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	0.2	-	-	-	-	0.3
600 - 800 m	-	-	0.2	-	-	-	0.2
800 - 1500 m	-	-	0.2	0.3	0.1	0.2	0.8
1.5 - 3.0 km	-	-	0.3	1.0	0.7	1.6	3.5
3.0 - 5.0 km	-	-	0.3	0.6	1.2	4.1	6.2
5.0 - 8.0 km	-	-	0.3	0.5	1.0	4.9	6.8
> 8.0 km	-	-	0.3	3.1	4.8	73.9	82.1
<b>Total</b>	0.1	0.3	1.7	5.4	7.8	84.6	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 831 (11.0 %), Clear/FEW/SCT: N = 2.352 (31.3 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 7.524	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	18.3	3.4	0.2	-	21.9
NE	7.2	0.6	-	-	7.8
E	4.9	7.4	1.7	-	14.0
SE	12.3	2.3	0.4	0.1	15.0
S	12.4	4.7	0.2	-	17.3
SW	4.9	1.6	0.1	-	6.6
W	5.6	0.1	-	-	5.7
NW	5.5	0.1	-	-	5.6
Calm	6.1	0.1	-	-	6.1
<b>Total</b>	77.1	20.2	2.6	0.1	100.0

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 7.765	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.1	-	-	-	-	-	0.1
350 - 600 m	0.3	0.3	0.1	-	-	0.1	0.8
600 - 800 m	-	0.2	0.1	-	-	0.1	0.4
800 - 1500 m	-	0.3	0.7	0.3	0.1	0.4	1.7
1.5 - 3.0 km	-	0.2	0.4	0.7	0.2	0.4	2.0
3.0 - 5.0 km	-	-	0.5	1.0	0.6	0.8	2.9
5.0 - 8.0 km	-	-	0.3	0.8	0.8	1.1	2.9
> 8.0 km	-	-	0.7	3.9	6.3	78.3	89.2
<b>Total</b>	0.4	0.9	2.8	6.7	7.9	81.2	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 729 (9.4 %), Clear/FEW/SCT: N = 2.778 (35.8 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 7.765	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	25.8	1.8	-	-	27.6
NE	2.1	0.3	-	-	2.4
E	1.7	6.5	0.7	-	8.8
SE	2.1	1.1	0.1	-	3.3
S	8.0	3.1	-	-	11.1
SW	6.4	0.6	-	-	7.0
W	13.4	-	-	-	13.4
NW	21.9	-	-	-	21.9
Calm	4.4	0.1	-	-	4.4
<b>Total</b>	85.8	13.5	0.8	-	100.0

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 6.826	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	0.1
350 - 600 m	-	-	-	-	0.1	-	0.2
600 - 800 m	-	-	0.1	-	-	0.1	0.3
800 - 1500 m	-	-	0.1	0.2	0.1	0.3	0.7
1.5 - 3.0 km	-	-	-	0.4	0.3	0.6	1.3
3.0 - 5.0 km	-	-	0.1	0.4	0.7	2.4	3.6
5.0 - 8.0 km	-	-	-	0.6	0.8	3.5	4.9
> 8.0 km	-	-	0.2	0.5	1.3	87.0	88.9
Total	-	0.1	0.6	2.2	3.3	93.9	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 595 (8.7 %), Clear/FEW/SCT: N = 2.053 (30.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 6.826	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	10.4	2.5	0.4	-	13.3
NE	5.5	0.9	-	-	6.4
E	11.2	17.5	4.1	0.3	33.1
SE	11.3	4.3	0.3	-	15.9
S	8.7	3.8	0.5	0.2	13.2
SW	2.1	1.2	0.2	-	3.5
W	4.0	0.3	-	-	4.3
NW	3.2	-	-	-	3.2
Calm	7.1	0.1	-	-	7.1
Total	63.5	30.5	5.6	0.5	100.0

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 6.455	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.1	-	-	-	-	-	0.1
350 - 600 m	-	0.1	0.1	-	-	-	0.2
600 - 800 m	-	-	0.1	0.1	-	-	0.2
800 - 1500 m	-	-	0.3	0.4	0.2	0.3	1.2
1.5 - 3.0 km	-	-	0.1	0.5	0.5	1.2	2.3
3.0 - 5.0 km	-	-	0.1	0.1	0.5	4.4	5.1
5.0 - 8.0 km	-	-	-	0.2	0.6	5.9	6.7
> 8.0 km	-	-	0.1	0.8	2.9	80.5	84.3
Total	0.1	0.1	0.5	2.1	4.8	92.3	100.0

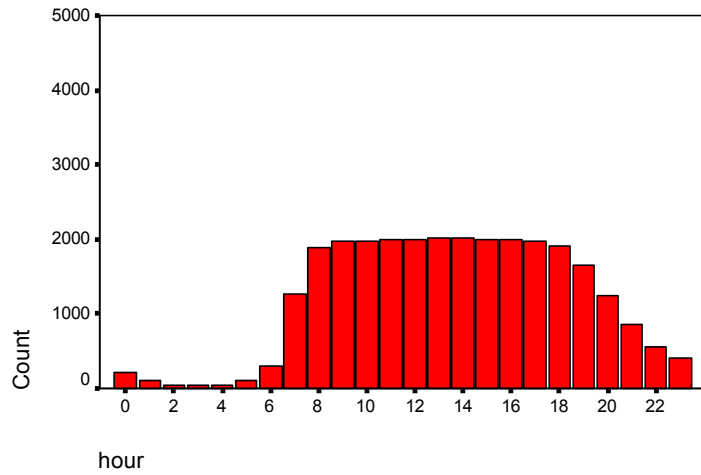
CAVOK or Sky Clear plus >10 km VIS: N = 517 (8.0 %), Clear/FEW/SCT: N = 2.091 (32.4 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 6.455	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	3.3	1.1	0.6	-	5.0
NE	6.5	1.8	-	-	8.2
E	9.1	19.9	7.3	0.2	36.5
SE	17.9	7.7	1.2	0.2	27.0
S	7.9	4.4	0.7	-	13.0
SW	1.4	1.9	0.2	-	3.5
W	0.4	0.2	0.1	-	0.7
NW	0.7	-	-	-	0.7
Calm	5.3	-	-	-	5.4
Total	52.4	37.0	10.0	0.5	100.0

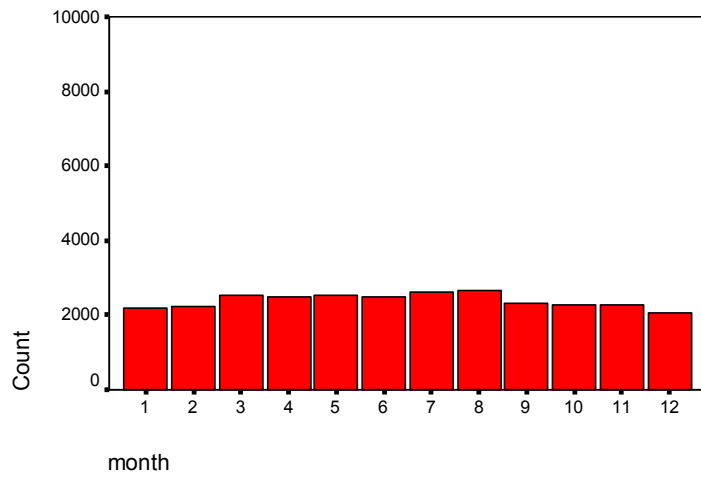
## Hourly Distribution of Observations

Ilulissat Airport



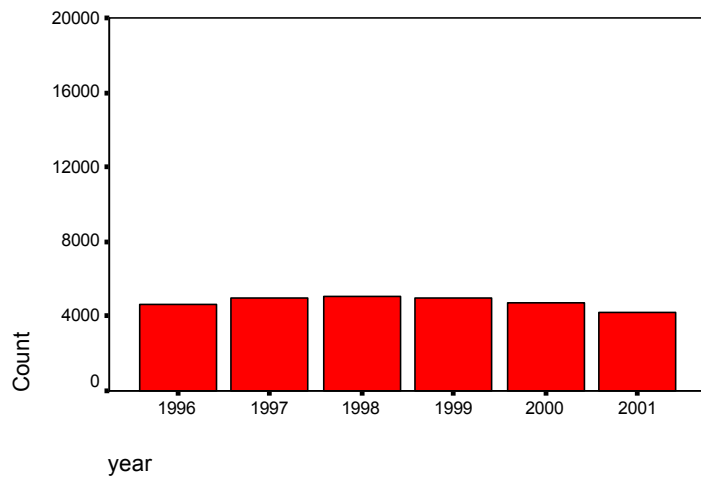
## Monthly Distribution of Observations

Ilulissat Airport



## Yearly Distribution of Observations

Ilulissat Airport



# 04231 Kangerlussuaq Airport (BGSF)

Lat. 67.017°N Long. 50.689°W (67 01 01N 050 41 22W)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	-3.8	-5.1 to -3.1
Mean Max. Temp (°C)	0.4	-1.0 - 1.6
Max. Temp (°C)	21.5	20.0 – 26.0
Mean Min. Temp (°C)	-7.9	-9.0 to -7.2
Min. Temp (°C)	-38.3	-42.0 to -34.0
No. Days with Frost	236	228 – 249
Mean Relative Humidity (%)	70	67 – 74
No. Days with Fog	4	1 – 9
No. Days with Snow	112	93– 139
Mean Wind-Speed (m/s)	3.7	3.6 – 3.8
Max. Wind-Speed (m/s)	17.5	13.9 - 20.1

Parameter (from Synop Data)	Mean	Range
No. Clear Days	43	36 - 53
No. Cloudy Days	117	98 - 129
Precipitation (mm)	192	135 – 226
No. Days with Precip. > 0.1 mm	95	83 - 107
No. Days with Precip. > 1 mm	49	44 - 53
No. Days with Precip. > 10 mm	3	1 – 4
Highest 24-hour Precip. (mm)	20	11 – 32

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 51.858	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	-	-	-	-	-	-
600 - 800 m	-	-	-	-	-	-	-
800 - 1500 m	-	-	-	-	-	-	0.1
1.5 - 3.0 km	-	-	0.1	0.1	0.1	0.6	0.9
3.0 - 5.0 km	-	-	0.1	0.1	0.1	1.8	2.1
5.0 - 8.0 km	-	-	-	0.1	0.1	2.4	2.6
> 8.0 km	-	-	-	0.4	1.0	92.8	94.2
Total	-	-	0.2	0.7	1.4	97.6	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 5.250 (10.1 %), Clear/FEW/SCT: N = 16.622 (32.5 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 51.858	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	3.0	0.7	-	-	3.7
NE	37.1	5.5	0.1	-	42.7
E	17.9	7.5	0.2	-	25.6
SE	1.2	0.7	-	-	2.0
S	1.4	0.6	0.1	-	2.1
SW	5.1	1.4	0.1	-	6.7
W	5.5	2.6	0.1	-	8.2
NW	1.0	1.2	-	-	2.2
Calm	6.7	-	-	-	6.7
Total	79.0	20.3	0.7	-	100.0

# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 13.054	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	-	-	-	-	-	-
600 - 800 m	-	-	-	-	-	-	-
800 - 1500 m	-	-	-	0.1	-	-	0.1
1.5 - 3.0 km	-	-	-	0.1	0.2	0.6	1.1
3.0 - 5.0 km	-	-	-	-	0.3	2.8	3.2
5.0 - 8.0 km	-	-	-	-	0.2	2.9	3.1
> 8.0 km	-	-	-	0.5	1.0	91.1	92.5
Total	-	0.1	0.1	0.7	1.7	97.4	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 1.851 (14.2 %), Clear/FEW/SCT: N = 3.965 (30.4 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 13.054	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	4.4	1.6	-	-	6.0
NE	28.4	3.3	0.1	-	31.8
E	18.9	4.4	0.1	-	23.4
SE	1.8	0.6	-	-	2.4
S	2.1	0.9	0.1	-	3.1
SW	8.2	2.2	0.1	-	10.5
W	8.2	3.6	0.2	-	11.9
NW	0.9	1.3	-	-	2.3
Calm	8.5	-	-	-	8.5
Total	81.5	17.8	0.6	-	100.0

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 13.091	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	-	-	-	-	-	-
600 - 800 m	-	-	-	-	-	-	-
800 - 1500 m	-	-	0.1	-	-	-	0.1
1.5 - 3.0 km	-	-	0.1	-	-	-	0.2
3.0 - 5.0 km	-	-	0.1	0.2	0.1	0.3	0.7
5.0 - 8.0 km	-	-	-	0.2	0.2	0.6	0.9
> 8.0 km	-	-	0.1	0.8	1.2	96.0	98.1
Total	-	0.1	0.4	1.2	1.5	96.9	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 1.122 (8.6 %), Clear/FEW/SCT: N = 4.638 (35.4 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 13.091	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	2.2	0.6	-	-	2.8
NE	24.5	5.7	-	-	30.2
E	18.9	11.3	-	-	30.3
SE	1.5	0.6	-	-	2.1
S	1.8	0.2	-	-	2.0
SW	7.7	2.5	0.2	-	10.3
W	7.2	4.0	-	-	11.2
NW	1.3	1.3	-	-	2.6
Calm	8.4	-	-	-	8.4
Total	73.4	26.3	0.2	-	100.0

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 12.931	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	-	-	-	-	-	-
600 - 800 m	-	-	-	-	-	-	-
800 - 1500 m	-	-	-	-	-	-	-
1.5 - 3.0 km	-	-	-	0.1	0.2	0.9	1.1
3.0 - 5.0 km	-	-	-	0.1	0.1	1.9	2.2
5.0 - 8.0 km	-	-	-	-	0.1	2.4	2.6
> 8.0 km	-	-	-	0.2	1.0	92.8	94.0
Total	-	-	0.1	0.5	1.4	98.0	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 1.076 (8.3 %), Clear/FEW/SCT: N = 3.741 (28.9 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 12.931	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	2.7	0.4	-	-	3.1
NE	45.3	6.0	0.1	-	51.3
E	17.8	7.6	0.1	-	25.5
SE	0.8	0.6	-	-	1.4
S	1.0	0.5	0.1	-	1.6
SW	3.3	0.6	0.1	-	4.1
W	4.8	1.5	0.1	-	6.4
NW	1.0	0.7	-	-	1.7
Calm	4.8	0.1	-	-	4.8
Total	81.5	17.9	0.5	-	100.0

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 12.782	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	-	-	-	-	-	-
600 - 800 m	-	-	-	-	-	-	-
800 - 1500 m	-	-	-	-	-	-	-
1.5 - 3.0 km	-	-	-	0.2	0.2	0.7	1.1
3.0 - 5.0 km	-	-	0.1	-	0.1	2.3	2.5
5.0 - 8.0 km	-	-	-	-	0.1	3.9	4.0
> 8.0 km	-	-	-	0.3	0.9	92.8	92.3
Total	-	-	0.2	0.5	1.2	98.1	100.0

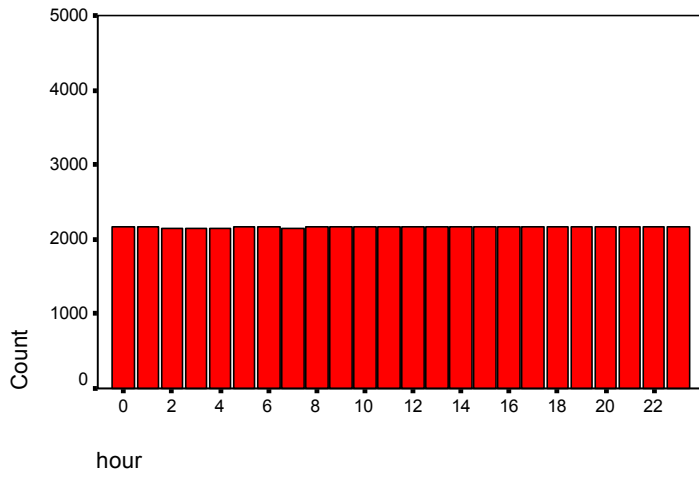
CAVOK or Sky Clear plus >10 km VIS: N = 1.201 (9.4 %), Clear/FEW/SCT: N = 4.278 (33.5 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 12.782	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	2.7	0.2	-	-	2.9
NE	50.8	7.1	0.1	-	57.9
E	15.8	6.7	0.4	-	23.0
SE	0.9	1.1	0.1	-	2.1
S	0.6	1.0	0.2	-	1.8
SW	1.1	0.5	0.2	-	1.8
W	1.9	1.0	0.1	-	3.0
NW	0.7	1.6	0.1	-	2.3
Calm	5.1	-	-	-	5.1
Total	79.5	19.2	1.2	0.1	100.0

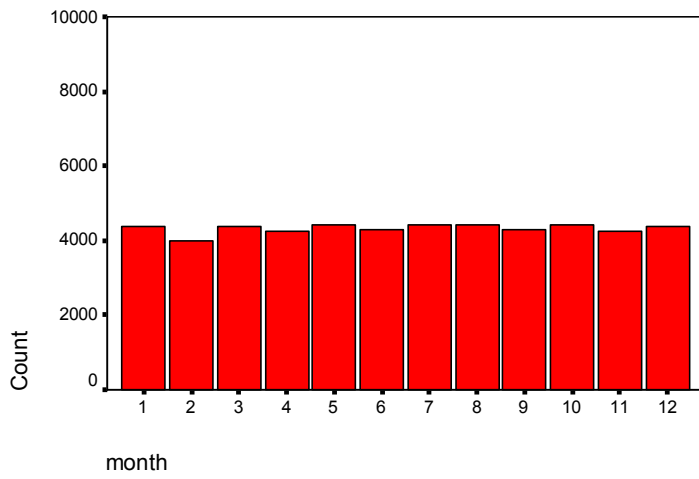
## Hourly Distribution of Observations

### Kangerlussuaq Airport



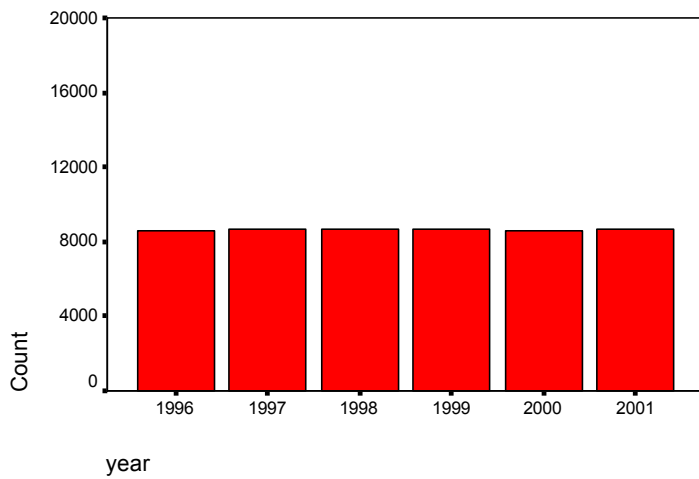
## Monthly Distribution of Observations

### Kangerlussuaq Airport



## Yearly Distribution of Observations

### Kangerlussuaq Airport



# 04361 Kulusuk Airport (BGKK)

Lat. 65.574°N Long. 37.124°W (65 34 25N 037 07 25W)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	-0.3	-1.3 - 0.3
Mean Max. Temp (°C)	0.4	-0.7 - 1.1
Max. Temp (°C)	13.7	12.0 - 16.0
Mean Min. Temp (°C)	-2.4	-3.5 to -1.7
Min. Temp (°C)	-17.7	-20.0 to -15.0
No. Days with Frost	165	136 - 189
Mean Relative Humidity (%)	78	76 - 80
No. Days with Fog	34	23 - 53
No. Days with Snow	84	71 - 100
Mean Wind-Speed (m/s)	4.7	4.2 - 5.1
Max. Wind-Speed (m/s)	24.8	22.1 - 28.3

Parameter (from Synop Data)	Mean	Range
No. Clear Days	39	29 - 47
No. Cloudy Days	176	165 - 200
Precipitation (mm)	928	645 - 1225
No. Days with Precip. > 0.1 mm	148	142 - 163
No. Days with Precip. > 1 mm	109	98 - 117
No. Days with Precip. > 10 mm	30	17 - 39
Highest 24-hour Precip. (mm)	51	30 - 69

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 18.594	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.1	0.2	0.1	-	-	-	0.3
350 - 600 m	0.1	0.1	0.2	0.1	-	0.1	0.5
600 - 800 m	-	0.1	0.2	0.2	-	0.1	0.5
800 - 1500 m	0.1	0.1	0.5	0.5	0.1	0.5	1.7
1.5 - 3.0 km	-	-	0.5	0.6	0.5	1.5	3.2
3.0 - 5.0 km	-	-	0.3	0.6	0.6	3.1	4.5
5.0 - 8.0 km	-	-	0.2	0.5	0.8	6.2	7.7
> 8.0 km	-	-	0.4	2.3	2.0	76.6	81.4
Total	0.3	0.5	2.3	4.8	4.1	88.0	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 1.872 (10.1 %), Clear/FEW/SCT: N = 6.168 (33.2 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 18.594	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	8.2	0.5	0.1	-	8.8
NE	4.7	1.9	1.4	0.7	8.7
E	8.1	14.4	7.1	2.2	31.9
SE	0.8	0.1	-	-	1.0
S	2.3	0.2	-	-	2.5
SW	16.9	2.6	-	-	19.5
W	10.2	0.7	0.1	-	11.0
NW	4.9	1.2	0.7	0.2	7.0
Calm	9.4	0.1	-	-	9.6
Total	65.6	21.8	9.5	3.1	100.0



# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 4.636	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	0.1	-	-	-	-	0.1
150 - 350 m	0.1	0.1	-	-	-	-	0.2
350 - 600 m	-	0.2	0.3	-	-	-	0.5
600 - 800 m	-	0.1	0.2	-	-	-	0.4
800 - 1500 m	0.1	0.2	0.6	0.9	-	0.3	2.2
1.5 - 3.0 km	0.1	-	0.6	0.2	1.0	1.1	3.0
3.0 - 5.0 km	-	-	0.5	0.6	1.0	4.3	6.4
5.0 - 8.0 km	-	-	0.6	0.4	0.6	6.5	8.2
> 8.0 km	-	-	1.0	4.5	2.9	70.7	79.0
<b>Total</b>	<b>0.4</b>	<b>0.7</b>	<b>3.8</b>	<b>6.6</b>	<b>5.6</b>	<b>82.9</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 594 (12.8 %), Clear/FEW/SCT: N = 1.533 (33.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 4.636	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	8.3	0.5	0.2	-	8.9
NE	3.6	1.6	1.2	0.6	7.1
E	9.7	15.3	8.9	2.2	36.0
SE	1.7	0.1	-	-	1.8
S	2.6	0.3	-	-	2.8
SW	15.2	2.5	-	-	17.7
W	9.8	0.5	0.1	-	10.5
NW	3.8	1.4	0.8	0.2	6.2
Calm	8.9	0.1	-	-	9.0
<b>Total</b>	<b>63.8</b>	<b>22.2</b>	<b>11.1</b>	<b>3.0</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 5.664	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.2	0.1	0.1	-	-	-	0.3
350 - 600 m	-	0.1	0.3	0.1	-	0.1	0.6
600 - 800 m	-	0.1	0.2	0.1	-	0.1	0.5
800 - 1500 m	0.1	0.1	0.8	0.4	-	0.4	1.9
1.5 - 3.0 km	-	0.1	1.0	1.2	0.2	1.1	3.6
3.0 - 5.0 km	-	-	0.5	1.0	0.3	1.6	3.4
5.0 - 8.0 km	-	-	0.2	0.9	0.6	4.4	6.1
> 8.0 km	-	-	0.4	3.2	2.8	77.3	83.6
<b>Total</b>	<b>0.4</b>	<b>0.4</b>	<b>3.4</b>	<b>6.9</b>	<b>4.0</b>	<b>84.9</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 644 (11.4 %), Clear/FEW/SCT: N = 1.791 (31.6 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 5.664	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	10.1	0.1	-	-	10.2
NE	7.6	1.1	0.3	0.2	9.2
E	7.4	12.7	3.3	0.5	23.8
SE	0.2	-	-	-	0.2
S	0.8	0.1	-	-	0.9
SW	19.2	4.2	-	-	23.3
W	15.3	1.1	-	-	16.4
NW	6.2	0.3	0.1	-	6.6
Calm	9.3	-	-	-	9.3
<b>Total</b>	<b>76.0</b>	<b>19.6</b>	<b>3.7</b>	<b>0.6</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 4.559	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	0.2	0.1	-	-	-	-	0.3
600 - 800 m	-	0.1	0.1	-	-	-	0.3
800 - 1500 m	-	-	0.3	0.2	0.1	0.2	0.8
1.5 - 3.0 km	-	-	0.1	0.5	0.4	1.7	2.7
3.0 - 5.0 km	-	-	0.1	0.5	0.5	3.3	4.4
5.0 - 8.0 km	-	-	0.1	0.4	1.4	7.5	9.3
> 8.0 km	-	-	0.1	0.6	1.4	80.0	82.1
Total	0.2	0.3	0.8	2.2	3.7	92.8	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 386 (8.5 %), Clear/FEW/SCT: N = 1.488 (32.6 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 4.559	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	7.7	1.1	0.2	-	9.0
NE	3.1	2.3	1.3	0.8	7.5
E	9.0	15.0	7.8	3.4	35.1
SE	0.6	0.2	-	-	0.8
S	2.6	0.2	-	-	2.8
SW	16.3	1.7	-	-	18.0
W	7.3	0.3	0.2	-	7.9
NW	5.3	1.8	0.8	0.2	8.2
Calm	10.6	0.2	-	-	10.7
Total	62.4	22.7	10.4	4.5	100.0

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 3.735	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	-	0.3
150 - 350 m	-	0.5	0.3	-	-	-	1.0
350 - 600 m	-	0.1	0.4	0.2	-	0.1	0.9
600 - 800 m	-	-	0.2	0.6	-	0.1	0.9
800 - 1500 m	-	-	-	0.3	0.5	1.3	2.0
1.5 - 3.0 km	-	-	-	0.4	0.8	2.5	3.7
3.0 - 5.0 km	-	-	-	0.1	0.5	3.5	4.1
5.0 - 8.0 km	-	-	-	-	0.6	6.8	7.5
> 8.0 km	-	-	-	0.8	0.7	78.2	79.6
Total	0.3	0.6	0.9	2.4	3.1	92.6	100.0

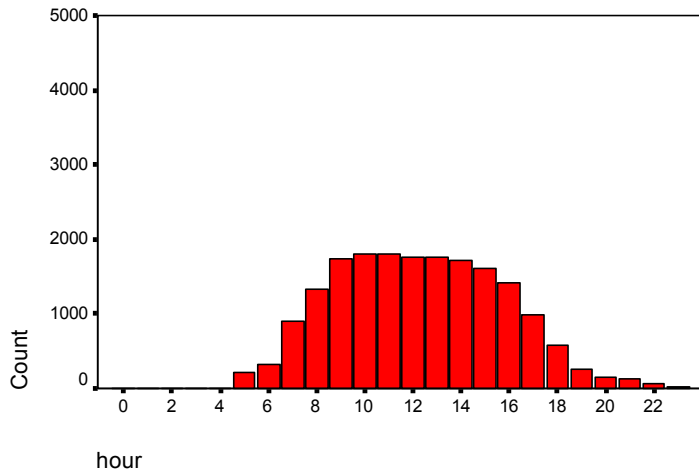
CAVOK or Sky Clear plus >10 km VIS: N = 248 (6.6 %), Clear/FEW/SCT: N = 1.356 (36.3 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 3.735	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	5.5	0.7	0.1	-	6.3
NE	3.2	2.9	3.4	1.5	11.1
E	6.2	15.3	10.0	3.6	35.2
SE	0.9	0.2	0.1	-	1.2
S	3.8	0.3	0.1	-	4.3
SW	16.5	1.4	0.1	-	18.0
W	6.6	0.6	0.2	-	7.4
NW	4.0	1.8	1.2	0.3	7.3
Calm	9.0	0.2	0.1	-	9.2
Total	55.9	23.5	15.1	5.5	100.0

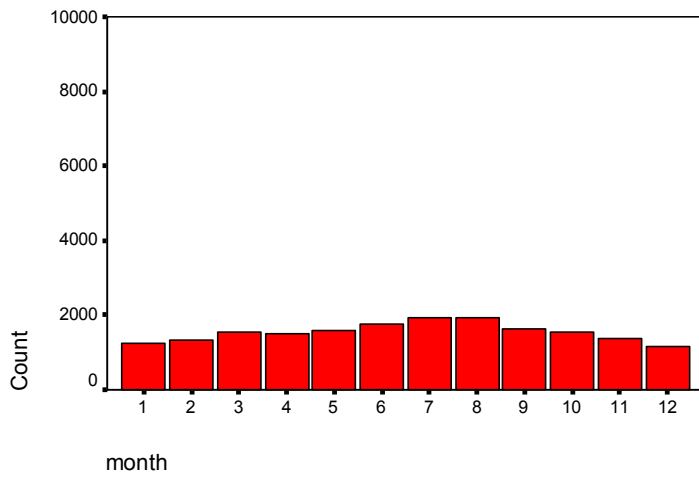
## Hourly Distribution of Observations

Kulusuk Airport



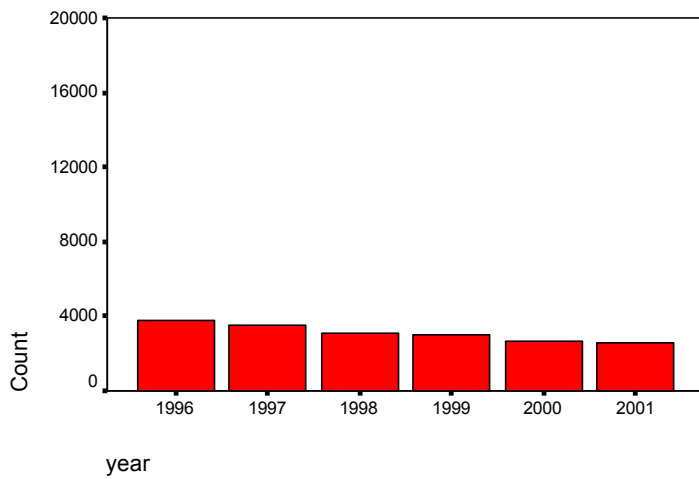
## Monthly Distribution of Observations

Kulusuk Airport



## Yearly Distribution of Observations

Kulusuk Airport



# 04270 Narsarsuaq Airport (BGBW)

Lat. 61.161°N Long. 45.426°W (61 09 39N 045 25 32W)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	2.3	1.0 - 3.1
Mean Max. Temp (°C)	4.6	3.9 - 5.4
Max. Temp (°C)	20.7	19.0 - 22.0
Mean Min. Temp (°C)	-1.2	-2.0 to -0.6
Min. Temp (°C)	-24.5	-28.0 to -22.0
No. Days with Frost	163	152 - 187
Mean Relative Humidity (%)	65	61 - 68
No. Days with Fog	17	11 - 21
No. Days with Snow	61	52 - 80
Mean Wind-Speed (m/s)	3.8	3.6 - 4.0
Max. Wind-Speed (m/s)	34.1	30.9 - 39.0

Parameter (from Synop Data)	Mean	Range
No. Clear Days	47	41 - 53
No. Cloudy Days	146	137 - 161
Precipitation (mm)	691	473 - 933
No. Days with Precip. > 0.1 mm	115	99 - 134
No. Days with Precip. > 1 mm	89	75 - 106
No. Days with Precip. > 10 mm	21	15 - 26
Highest 24-hour Precip. (mm)	59	30 - 101

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 33.640	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	0.1	-	-	-	-	0.1
350 - 600 m	-	-	0.1	-	-	-	0.2
600 - 800 m	-	-	-	-	-	-	0.1
800 - 1500 m	-	-	0.1	0.1	-	0.1	0.4
1.5 - 3.0 km	-	0.1	0.1	0.2	0.2	0.3	0.8
3.0 - 5.0 km	-	-	0.3	0.4	0.4	0.6	1.7
5.0 - 8.0 km	-	0.1	0.3	0.6	0.7	1.8	3.4
> 8.0 km	-	-	0.4	2.1	3.6	87.1	93.3
Total	0.1	0.4	1.3	3.4	4.9	89.9	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 4.119 (12.2 %), Clear/FEW/SCT: N = 9.807 (29.2 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 33.640	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	8.4	0.2	-	-	8.5
NE	11.4	1.5	0.9	0.5	14.4
E	14.5	6.6	4.8	2.3	28.1
SE	1.0	0.5	0.1	-	1.6
S	5.2	1.9	0.1	-	7.1
SW	10.4	3.4	0.3	-	14.1
W	15.3	1.4	0.1	-	16.8
NW	3.0	-	-	-	3.0
Calm	6.3	-	-	-	6.4
Total	75.5	15.4	6.3	2.9	100.0

# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 8.203	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	0.1	-	-	-	-	0.1
350 - 600 m	-	-	-	-	-	-	0.1
600 - 800 m	-	-	-	-	-	-	0.1
800 - 1500 m	-	-	0.1	0.1	0.1	0.1	0.3
1.5 - 3.0 km	-	-	0.2	0.1	0.1	0.3	0.7
3.0 - 5.0 km	-	0.1	0.2	0.3	0.5	0.4	1.4
5.0 - 8.0 km	-	0.1	0.1	0.5	0.6	2.1	3.4
> 8.0 km	-	-	0.3	1.8	3.1	88.6	93.8
<b>Total</b>	0.1	0.3	1.0	2.8	4.3	91.5	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 1.014 (12.4 %), Clear/FEW/SCT: N = 2.605 (31.8 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 8.203	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	8.7	0.2	-	-	8.9
NE	6.4	2.3	1.4	0.5	10.7
E	8.5	8.3	5.6	2.3	24.6
SE	1.0	0.9	0.1	-	2.0
S	7.2	2.7	0.1	-	10.0
SW	11.0	3.9	0.3	-	15.2
W	18.0	1.2	0.3	-	19.5
NW	4.0	-	-	-	4.0
Calm	5.0	-	-	-	5.1
<b>Total</b>	69.9	19.5	7.8	2.8	100.0

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 10.316	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	-	-	-	-	-	-
600 - 800 m	-	-	-	-	-	-	-
800 - 1500 m	-	-	0.1	-	-	-	0.2
1.5 - 3.0 km	-	0.1	0.2	0.2	-	0.2	0.7
3.0 - 5.0 km	-	-	0.4	0.6	0.2	0.1	1.4
5.0 - 8.0 km	-	0.1	0.5	1.1	0.7	0.8	3.2
> 8.0 km	-	-	0.8	3.6	6.1	83.9	94.5
<b>Total</b>	0.1	0.4	1.9	5.5	7.1	85.1	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 840 (8.1 %), Clear/FEW/SCT: N = 2.672 (25.9 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 10.316	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	3.1	-	-	-	3.2
NE	13.5	0.7	0.7	0.2	15.1
E	12.8	5.4	3.9	1.2	23.2
SE	0.8	0.2	0.1	-	1.1
S	5.8	2.1	-	-	7.9
SW	13.0	4.0	-	-	17.1
W	22.2	2.9	-	-	25.1
NW	2.7	-	-	-	2.7
Calm	4.6	0.1	-	-	4.7
<b>Total</b>	78.5	15.4	4.7	1.4	100.0

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 8.085	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	-	-	-	-	-	-	-
350 - 600 m	-	-	-	-	-	-	0.1
600 - 800 m	-	-	-	-	-	-	-
800 - 1500 m	-	0.1	0.1	0.2	-	0.2	0.5
1.5 - 3.0 km	-	0.1	0.1	0.2	0.3	0.3	1.0
3.0 - 5.0 km	-	0.1	0.2	0.3	0.5	1.0	2.2
5.0 - 8.0 km	-	-	0.2	0.5	0.7	2.1	3.5
> 8.0 km	-	-	0.4	1.5	2.6	88.2	92.7
<b>Total</b>	0.1	0.4	1.1	2.6	4.1	91.8	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 1.150 (14.2 %), Clear/FEW/SCT: N = 2.359 (29.2 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 8.085	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	9.6	0.1	-	-	9.7
NE	11.9	1.3	0.4	0.2	13.5
E	19.0	6.3	4.2	2.1	31.6
SE	1.1	0.2	-	-	1.4
S	3.8	0.9	-	-	4.8
SW	9.7	3.1	0.5	-	13.3
W	13.0	0.3	0.2	-	13.6
NW	3.5	-	-	-	3.5
Calm	8.5	-	-	-	8.6
<b>Total</b>	80.3	12.0	5.3	2.4	100.0

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 7.036	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	-	0.2	-	-	-	-	0.2
350 - 600 m	-	0.2	0.3	-	-	0.1	0.6
600 - 800 m	-	-	0.1	0.2	-	-	0.3
800 - 1500 m	-	-	0.1	0.3	0.2	0.2	0.8
1.5 - 3.0 km	-	-	-	0.3	0.4	0.5	1.1
3.0 - 5.0 km	-	-	0.1	0.2	0.6	1.4	2.3
5.0 - 8.0 km	-	-	-	0.2	0.8	2.7	3.7
> 8.0 km	-	-	-	0.5	0.9	89.7	91.0
<b>Total</b>	0.1	0.4	0.7	1.6	2.7	94.6	100.0

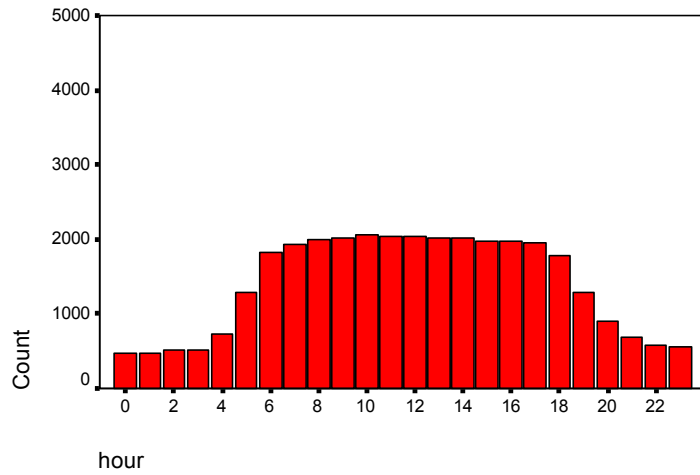
CAVOK or Sky Clear plus >10 km VIS: N = 1.115 (15.9 %), Clear/FEW/SCT: N = 2.171 (30.9 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 7.036	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	14.1	0.4	-	-	14.5
NE	13.7	2.2	1.1	1.5	18.5
E	19.0	6.6	5.7	4.2	35.5
SE	1.3	0.5	0.2	-	2.0
S	3.4	1.8	0.1	-	5.4
SW	6.5	2.1	0.5	-	9.2
W	4.8	0.5	0.1	-	5.4
NW	1.6	-	-	-	1.6
Calm	7.7	0.1	0.1	0.1	7.9
<b>Total</b>	72.1	14.2	7.8	5.9	100.0

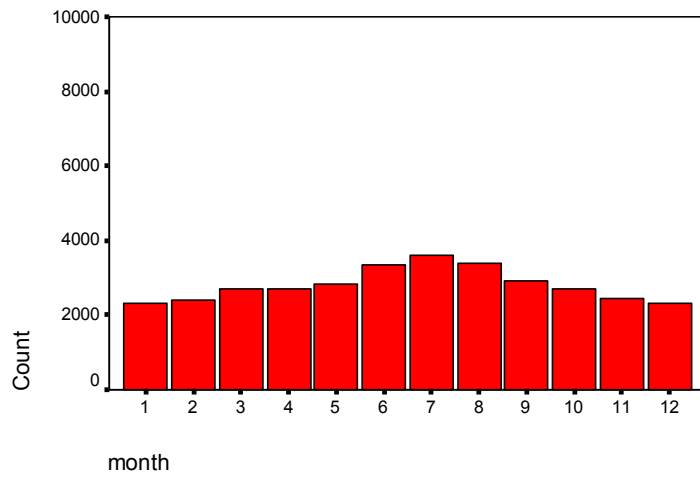
## Hourly Distribution of Observations

Narsarsuaq Airport



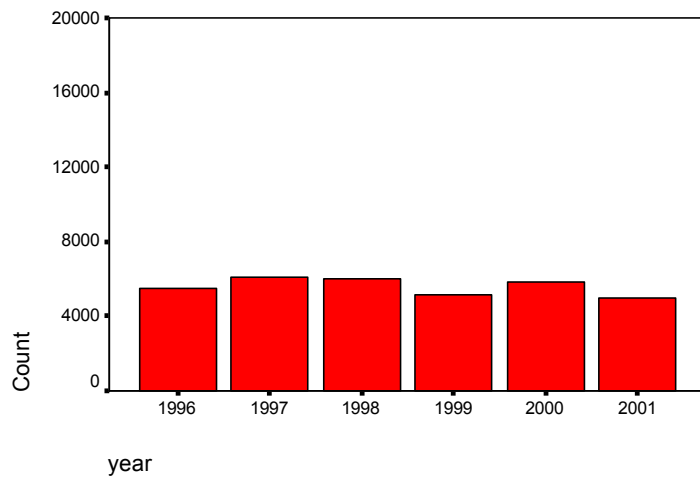
## Monthly Distribution of Observations

Narsarsuaq Airport



## Yearly Distribution of Observations

Narsarsuaq Airport



# 04341 Nerlerit Inaat Airport (BGCO)

Lat. 70.743°N Long. 22.661°W (70 44 36N 022 39 38W)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	-3.9	-5.5 to -2.3
Mean Max. Temp (°C)	-3.5	-5.1 to -2.3
Max. Temp (°C)	17.3	15.0 – 19.0
Mean Min. Temp (°C)	-6.8	-8.1 to -5.6
Min. Temp (°C)	-31.3	-35.0 to -27.0
No. Days with Frost	180	64 – 221
Mean Relative Humidity (%)	73	62 – 87
No. Days with Fog	26	14 – 38
No. Days with Snow	73	59– 83
Mean Wind-Speed (m/s)	4.5	4.3 – 5.0
Max. Wind-Speed (m/s)	23.3	19.0 - 27.8

Parameter (from Synop Data)	Mean	Range
No. Clear Days	-	-
No. Cloudy Days	-	-
Precipitation (mm)	-	-
No. Days with Precip. > 0.1 mm	-	-
No. Days with Precip. > 1 mm	-	-
No. Days with Precip. > 10 mm	-	-
Highest 24-hour Precip. (mm)	-	-

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 13.644	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.2	-	-	-	-	0.1	0.2
150 - 350 m	0.1	-	0.1	-	-	0.1	0.3
350 - 600 m	0.2	0.1	-	0.2	0.1	0.4	1.0
600 - 800 m	-	-	0.1	0.1	-	0.2	0.5
800 - 1500 m	0.1	-	0.2	0.3	0.1	0.5	1.3
1.5 - 3.0 km	0.1	0.1	0.1	0.2	0.2	1.3	2.0
3.0 - 5.0 km	-	-	0.1	0.1	0.4	2.1	2.8
5.0 - 8.0 km	-	0.1	0.1	0.3	0.3	4.6	5.5
> 8.0 km	-	0.1	0.3	1.0	1.8	83.2	86.5
Total	0.7	0.5	1.0	2.2	3.0	92.6	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 2.697 (19.8 %), Clear/FEW/SCT: N = 4.768 (35.0 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 13.644	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	22.9	10.5	4.9	1.7	40.1
NE	6.6	8.9	1.2	0.3	16.9
E	1.1	0.2	-	-	1.3
SE	1.0	-	-	-	1.0
S	14.5	4.3	0.1	-	19.0
SW	1.1	0.3	-	-	1.4
W	0.5	0.2	0.2	-	0.9
NW	3.3	1.2	1.4	0.3	6.2
Calm	13.2	0.1	-	-	13.3
Total	64.1	25.7	7.9	2.4	100.0



# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 3.406	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.7	-	-	-	-	0.1	0.8
150 - 350 m	0.1	-	0.1	-	-	-	0.1
350 - 600 m	0.4	-	-	0.4	0.3	0.8	2.0
600 - 800 m	0.1	-	-	0.1	0.1	0.5	0.7
800 - 1500 m	0.2	0.1	0.1	0.2	0.1	0.7	1.6
1.5 - 3.0 km	0.2	0.1	-	0.1	0.4	1.8	2.7
3.0 - 5.0 km	-	0.1	0.1	-	0.1	2.9	3.3
5.0 - 8.0 km	-	0.1	0.1	0.1	0.3	6.0	6.6
> 8.0 km	-	0.1	0.2	1.9	2.0	77.9	82.2
<b>Total</b>	<b>1.7</b>	<b>0.7</b>	<b>0.6</b>	<b>2.8</b>	<b>3.4</b>	<b>90.8</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 860 (25.3 %), Clear/FEW/SCT: N = 1.206 (35.4 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 3.406	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	27.0	9.2	5.3	1.6	43.1
NE	6.9	9.1	0.9	0.1	17.0
E	0.8	0.1	-	-	0.9
SE	0.7	0.1	-	-	0.7
S	9.0	1.2	0.2	-	10.3
SW	0.7	0.1	-	-	0.9
W	0.8	0.4	0.2	-	1.4
NW	4.1	1.9	1.8	0.3	8.1
Calm	17.3	0.2	0.1	-	17.6
<b>Total</b>	<b>67.2</b>	<b>22.3</b>	<b>8.4</b>	<b>2.1</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 4.435	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.1	-	-	-	-	-	0.2
350 - 600 m	0.2	0.1	-	-	-	-	0.3
600 - 800 m	-	-	-	-	-	-	0.1
800 - 1500 m	0.2	0.1	0.1	-	-	-	0.4
1.5 - 3.0 km	-	0.1	-	-	0.1	0.1	0.3
3.0 - 5.0 km	0.1	-	0.1	0.1	0.2	0.3	0.9
5.0 - 8.0 km	-	0.2	0.2	0.5	0.2	1.4	2.5
> 8.0 km	-	-	0.3	1.1	2.5	91.4	95.2
<b>Total</b>	<b>0.7</b>	<b>0.7</b>	<b>0.7</b>	<b>1.7</b>	<b>3.0</b>	<b>93.1</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 842 (19.0 %), Clear/FEW/SCT: N = 1.404 (31.7 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 4.435	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	10.7	8.3	2.0	0.2	21.2
NE	6.7	11.3	0.6	0.1	18.8
E	1.1	0.2	-	-	1.3
SE	1.6	-	-	-	1.7
S	33.5	11.7	-	-	45.4
SW	1.0	0.3	-	-	1.4
W	0.1	0.1	0.1	-	0.4
NW	0.7	0.5	0.1	-	1.3
Calm	8.6	0.1	-	-	8.7
<b>Total</b>	<b>64.0</b>	<b>32.7</b>	<b>2.9</b>	<b>0.5</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 3.076	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	0.1	0.1
150 - 350 m	-	-	0.1	0.1	0.1	0.1	0.3
350 - 600 m	-	0.1	-	-	0.1	0.1	0.3
600 - 800 m	-	0.1	0.1	-	0.1	-	0.2
800 - 1500 m	-	-	0.1	0.5	0.1	0.3	1.1
1.5 - 3.0 km	0.1	-	0.1	0.1	0.1	1.5	1.9
3.0 - 5.0 km	-	-	0.2	-	0.6	2.4	3.3
5.0 - 8.0 km	-	-	0.2	0.1	0.5	5.8	6.7
> 8.0 km	-	0.1	0.6	0.7	1.1	83.9	86.3
<b>Total</b>	<b>0.1</b>	<b>0.2</b>	<b>1.4</b>	<b>1.6</b>	<b>2.5</b>	<b>94.2</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 495 (16.1 %), Clear/FEW/SCT: N = 1.063 (34.6 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 3.076	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	29.1	13.7	7.0	2.2	52.1
NE	8.0	7.2	1.3	0.6	17.1
E	1.4	0.1	-	-	1.5
SE	0.6	-	-	-	0.6
S	3.0	0.6	0.1	-	3.7
SW	1.3	0.2	-	-	1.4
W	0.6	-	0.2	-	0.8
NW	4.4	1.4	2.2	0.2	8.1
Calm	14.5	-	-	-	14.6
<b>Total</b>	<b>63.0</b>	<b>23.2</b>	<b>10.8</b>	<b>3.0</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 2.727	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	0.4	0.4
150 - 350 m	0.2	-	0.2	0.2	-	0.3	0.8
350 - 600 m	-	-	0.2	0.4	0.2	1.1	1.9
600 - 800 m	-	-	0.3	0.4	0.1	0.5	1.2
800 - 1500 m	0.1	-	0.6	0.8	0.1	1.3	2.9
1.5 - 3.0 km	-	0.2	0.3	0.5	0.5	2.9	4.4
3.0 - 5.0 km	-	-	-	0.2	0.9	4.2	5.2
5.0 - 8.0 km	-	-	-	0.4	0.4	7.7	8.4
> 8.0 km	-	-	0.1	0.4	1.2	73.0	74.7
<b>Total</b>	<b>0.4</b>	<b>0.2</b>	<b>1.6</b>	<b>3.3</b>	<b>3.4</b>	<b>91.3</b>	<b>100.0</b>

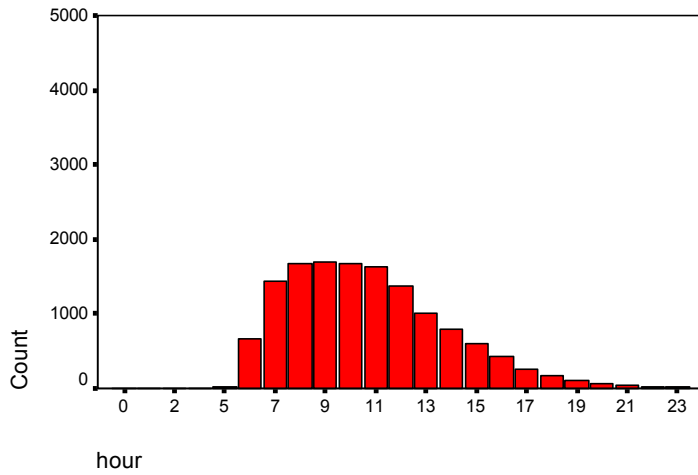
CAVOK or Sky Clear plus >10 km VIS: N = 500 (18.3 %), Clear/FEW/SCT: N = 1.095 (40.2 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 2.727	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	30.6	12.1	6.8	3.9	53.3
NE	4.3	6.6	2.3	0.5	13.7
E	1.1	0.2	-	-	1.4
SE	0.7	-	0.1	-	0.8
S	3.5	0.3	0.3	-	4.1
SW	1.4	0.4	0.1	0.1	1.9
W	0.6	0.1	0.3	0.1	1.1
NW	5.2	1.5	2.2	0.7	9.5
Calm	14.1	-	-	-	14.1
<b>Total</b>	<b>61.5</b>	<b>21.2</b>	<b>12.0</b>	<b>5.2</b>	<b>100.0</b>

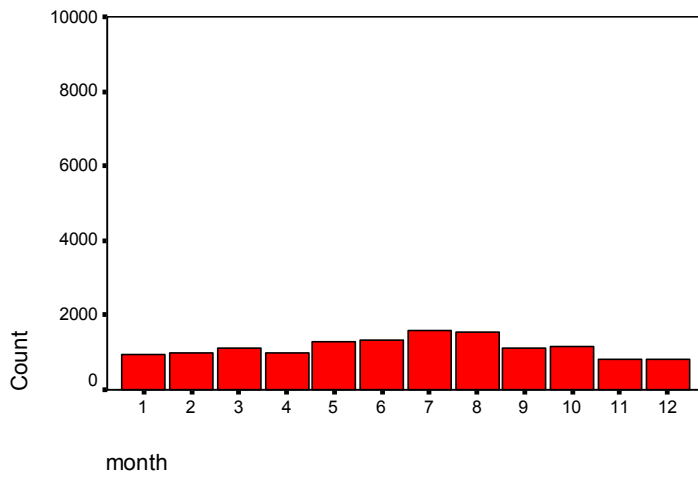
## Hourly Distribution of Observations

Nerlerit Airport



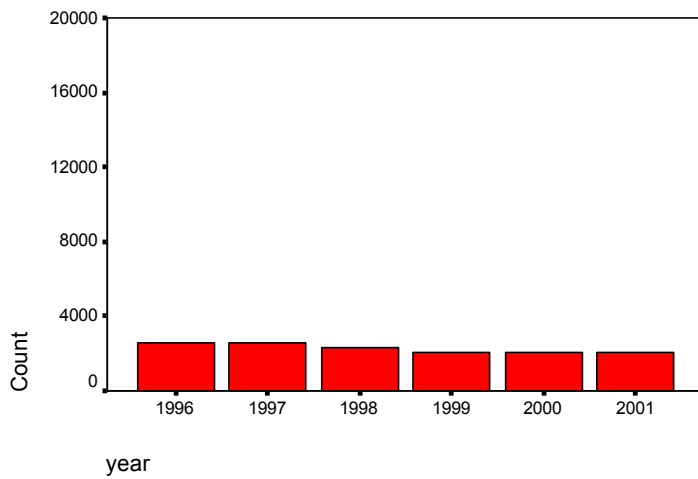
## Monthly Distribution of Observations

Nerlerit Airport



## Yearly Distribution of Observations

Nerlerit Airport



# 04254 Nuuk Airport (BGGH)

Lat. 64.191°N Long. 51.678°W (64 11 27N 051 40 41W)



## KEY CLIMATIC VALUES 1996-2001

Parameter (from METAR data)	Mean	Range
Mean Temperature (°C)	-0.2	-0.9 to +0.7
Mean Max. Temp (°C)	1.4	0.9 - 2.1
Max. Temp (°C)	18.7	16.0 – 21.0
Mean Min. Temp (°C)	-2.3	-2.7 to -1.6
Min. Temp (°C)	-19.8	-24.0 to -18.0
No. Days with Frost	199	168 – 223
Mean Relative Humidity (%)	82	80 – 85
No. Days with Fog	71	63 – 84
No. Days with Snow	121	111– 138
Mean Wind-Speed (m/s)	5.3	5.0 – 5.8
Max. Wind-Speed (m/s)	29.1	25.7 - 31.9

Parameter (from Synop Data)	Mean	Range
No. Clear Days	14	0 - 30
No. Cloudy Days	173	128 - 188
Precipitation (mm)	1239	721 – 1874
No. Days with Precip. > 0.1 mm	179	139 - 213
No. Days with Precip. > 1 mm	127	103 - 149
No. Days with Precip. > 10 mm	40	24 - 57
Highest 24-hour Precip. (mm)	61	26 – 110

## YEARLY

### Visibility & Cloud Height BKN/OVC Frequencies (%)

No. Obs = 29.709	< 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.2
150 - 350 m	0.3	0.1	-	-	-	-	0.5
350 - 600 m	0.2	0.2	0.1	-	-	0.1	0.7
600 - 800 m	0.1	0.1	0.1	-	-	0.1	0.4
800 - 1500 m	0.1	0.2	0.3	0.4	0.1	0.3	1.4
1.5 - 3.0 km	-	0.2	0.5	0.7	0.6	0.7	2.7
3.0 - 5.0 km	0.1	0.2	0.6	1.2	1.6	3.2	6.9
5.0 - 8.0 km	-	0.2	0.6	1.4	1.8	6.7	10.7
> 8.0 km	-	0.2	1.4	4.0	5.6	65.3	76.6
<b>Total</b>	1.1	1.3	3.7	7.9	9.7	76.4	100.0

CAVOK or Sky Clear plus >10 km VIS: N = 3.755 (12.6 %), Clear/FEW/SCT: N = 9.479 (31.9 %)

### Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%)

No. Obs = 29.709	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
<b>N</b>	11.6	6.1	0.4	-	18.1
<b>NE</b>	13.0	6.6	0.3	-	19.9
<b>E</b>	6.5	5.4	0.6	-	12.6
<b>SE</b>	2.1	1.0	0.2	-	3.3
<b>S</b>	7.2	7.9	4.7	3.7	23.5
<b>SW</b>	5.9	3.1	0.6	-	9.7
<b>W</b>	3.2	0.6	-	-	3.9
<b>NW</b>	3.5	1.2	-	-	4.7
<b>Calm</b>	4.2	-	-	-	4.3
<b>Total</b>	57.4	32.0	6.8	3.8	100.0

# SPRING-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Mar - May

No. Obs = 7.578	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	0.1
150 - 350 m	-	0.2	0.1	-	-	-	0.4
350 - 600 m	0.2	0.2	0.1	-	-	0.1	0.6
600 - 800 m	-	-	0.1	-	-	0.1	0.4
800 - 1500 m	0.1	0.2	0.1	0.5	0.1	0.2	1.1
1.5 - 3.0 km	-	0.2	0.7	1.0	0.9	0.2	2.9
3.0 - 5.0 km	0.1	0.1	0.3	1.5	1.6	2.7	6.3
5.0 - 8.0 km	-	0.1	0.7	1.7	2.3	5.0	9.8
> 8.0 km	-	0.3	1.5	5.5	7.3	63.9	78.4
<b>Total</b>	<b>0.5</b>	<b>1.3</b>	<b>3.8</b>	<b>10.2</b>	<b>11.9</b>	<b>72.2</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 1.042 (13.8 %), Clear/FEW/SCT: N = 2.442 (32.2 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Mar - May

No. Obs = 7.578	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	15.2	11.5	0.5	-	27.2
NE	12.3	7.5	0.4	-	20.1
E	5.8	4.0	0.6	-	10.5
SE	1.9	0.6	0.1	-	2.6
S	5.1	5.5	4.4	4.1	19.1
SW	4.5	1.9	0.3	-	6.6
W	3.5	0.3	-	-	3.8
NW	4.1	1.7	-	-	5.8
Calm	4.1	-	-	-	4.1
<b>Total</b>	<b>56.5</b>	<b>33.0</b>	<b>6.3</b>	<b>4.2</b>	<b>100.0</b>

# SUMMER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Jun - Aug

No. Obs = 8.084	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.3	-	-	-	-	-	0.4
150 - 350 m	0.7	0.2	-	-	-	-	1.0
350 - 600 m	0.3	0.3	0.1	0.1	-	0.1	0.9
600 - 800 m	0.1	0.2	0.1	-	-	-	0.5
800 - 1500 m	0.3	0.4	0.6	0.1	0.1	0.2	1.7
1.5 - 3.0 km	0.1	0.3	0.9	0.6	0.3	0.5	2.7
3.0 - 5.0 km	0.2	0.3	1.3	1.0	0.9	2.0	5.7
5.0 - 8.0 km	0.1	0.4	1.1	1.6	1.5	4.7	9.4
> 8.0 km	0.1	0.3	2.3	5.9	7.4	61.6	77.6
<b>Total</b>	<b>2.4</b>	<b>2.5</b>	<b>6.4</b>	<b>9.3</b>	<b>10.3</b>	<b>69.2</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 899 (11.1 %), Clear/FEW/SCT: N = 2.513 (31.1 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Jun - Aug

No. Obs = 8.084	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	13.7	1.1	-	-	14.8
NE	14.3	2.6	-	-	16.9
E	1.1	0.4	-	-	1.5
SE	0.2	-	-	-	0.2
S	11.3	12.9	5.5	3.7	33.4
SW	12.3	5.7	0.5	0.1	18.6
W	5.2	0.1	-	-	5.3
NW	5.1	0.1	-	-	5.2
Calm	4.1	-	-	-	4.1
<b>Total</b>	<b>67.2</b>	<b>22.9</b>	<b>6.1</b>	<b>3.8</b>	<b>100.0</b>

# AUTUMN-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Sep - Nov

No. Obs = 7.322	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	0.1	-	-	-	-	-	0.1
150 - 350 m	0.3	-	-	-	-	-	0.4
350 - 600 m	0.3	0.2	-	-	-	0.1	0.7
600 - 800 m	0.1	-	0.1	-	-	0.1	0.3
800 - 1500 m	-	0.2	0.2	0.3	0.1	0.3	1.2
1.5 - 3.0 km	-	-	0.3	0.6	0.4	0.8	2.1
3.0 - 5.0 km	-	0.2	0.3	1.3	1.9	3.2	6.9
5.0 - 8.0 km	-	0.1	0.4	1.3	1.8	6.5	10.1
> 8.0 km	-	0.1	1.1	3.0	4.4	69.4	78.1
<b>Total</b>	<b>0.9</b>	<b>0.8</b>	<b>2.6</b>	<b>6.6</b>	<b>8.6</b>	<b>80.5</b>	<b>100.0</b>

CAVOK or Sky Clear plus >10 km VIS: N = 1.101 (15.0 %), Clear/FEW/SCT: N = 2.087 (28.5 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Sep - Nov

No. Obs = 7.322	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	8.7	3.9	0.5	-	13.1
NE	16.4	8.6	0.1	-	25.1
E	10.5	7.2	0.7	-	18.3
SE	3.3	0.5	0.1	0.1	4.0
S	7.8	7.9	4.4	3.1	23.1
SW	4.0	2.0	0.4	-	6.4
W	1.8	0.4	-	-	2.2
NW	2.5	0.8	-	-	3.3
Calm	4.5	-	-	-	4.5
<b>Total</b>	<b>59.4</b>	<b>31.2</b>	<b>6.2</b>	<b>3.2</b>	<b>100.0</b>

# WINTER-QUARTER

## Visibility & Cloud Height BKN/OVC Frequencies (%), Dec - Feb

No. Obs = 6.725	0 - 100 ft	100 - 200 ft	300 - 500 ft	600 - 1000 ft	1000 - 1500 ft	> 1500 ft	Total
< 150 m	-	-	-	-	-	-	-
150 - 350 m	0.1	-	-	-	-	-	0.1
350 - 600 m	-	0.1	0.1	0.1	0.1	0.1	0.5
600 - 800 m	-	-	0.2	0.1	0.1	0.1	0.4
800 - 1500 m	-	-	0.3	0.6	0.1	0.4	1.4
1.5 - 3.0 km	-	-	0.2	0.8	0.8	1.3	3.2
3.0 - 5.0 km	-	-	0.2	1.1	2.1	5.4	8.9
5.0 - 8.0 km	-	-	0.1	0.8	1.7	11.6	14.2
> 8.0 km	-	-	0.3	1.1	3.0	67.0	71.3
<b>Total</b>	<b>0.1</b>	<b>0.2</b>	<b>1.3</b>	<b>4.8</b>	<b>7.9</b>	<b>85.8</b>	<b>100.0</b>

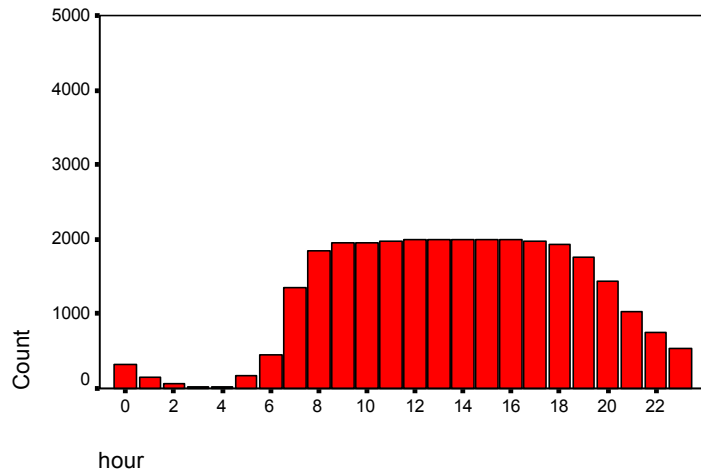
CAVOK or Sky Clear plus >10 km VIS: N = 713 (10.6 %), Clear/FEW/SCT: N = 2.437 (36.2 %)

## Frequencies of Wind-Speed & Wind-Direction (1996-2001) (%), Dec - Feb

No. Obs = 6.725	0 - 5 m/s	5.1 - 10 m/s	10.1 - 15 m/s	> 15 m/s	Total
N	8.3	8.4	0.6	-	17.4
NE	8.6	8.4	0.6	-	17.6
E	9.6	11.2	1.3	0.1	22.2
SE	3.3	3.3	0.5	0.1	7.1
S	4.1	4.7	4.4	3.8	17.0
SW	2.0	2.5	1.3	0.1	5.8
W	2.2	2.0	0.1	-	4.3
NW	2.0	2.3	-	-	4.3
Calm	4.2	0.1	-	-	4.2
<b>Total</b>	<b>44.2</b>	<b>42.7</b>	<b>9.0</b>	<b>4.1</b>	<b>100.0</b>

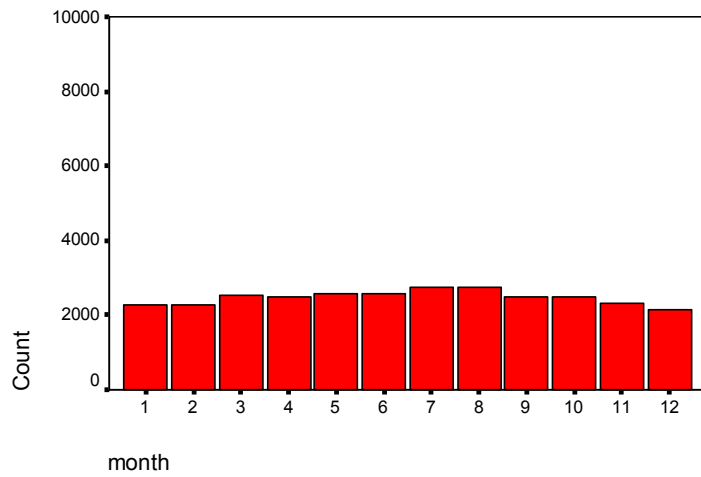
## Hourly Distribution of Observations

Nuuk Airport



## Monthly Distribution of Observations

Nuuk Airport



## Yearly Distribution of Observations

Nuuk Airport

