Arbeitsbericht

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203 Aeronautical Climatological Information Geneva LSGG

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Table of Contents

Introduction

This report „Aeronautical Climatological Information Geneva LSGG“ may only be used by:

- Civil aviation airlines operating flights to or from Geneva airport including their administrative services as well as their crews
- Private pilots and crews operating flights from or to the airport
- Operative and administrative services of the airport
- Aeronautical administration

This report is not intended for any other commercial use than aviation. The above defined users shall receive the right to apply the service solely for own use and for aeronautical purposes. The users shall ensure that no unauthorised use of the services takes place. The “General Terms and Conditions for Standard Range of Services”of MeteoSwiss apply.

The report provides all climatological information required for the long term planning of flight operations in Geneva. In part A the reader gets introduced to the geographical setting of the airport, the important meteorological patterns of the region with notes and basic interpretation of the data. Information about the main weather patterns bases on the “Klimaatlas der Schweiz” (MeteoSwiss 1984, 1991, 1995) and the tables of this report. In part B the data is presented mainly in form of tables and graphics, allowing a direct view of the information.

The statistics were established following the ICAO recommendations on aeronautical climatological information (Convention on International Civil Aviation, Annex 3), but is more detailed and enriched with additional information.

The data is based on half-hourly (XX20 and XX50) METAR (Aviation Routine Weather Report) collected on a span of 10 years between

January 1993 and December 2002.

The METAR at 0120 UTC is usually missing due to a regular break of the observer. Each table or graphic contains the NA (Not available) values of missing METAR. Due to a regular observation break, the amount of the NA values between 01 and 02 UTC is quite considerable. The METAR between 29th January and 28th February 1997 and between 1st January and 28th February 1998 are missing, so the amount of NA values of January and February is higher than in other months.
All time information is given in UTC.
An index with the used abbreviations can be found on page 104.

No climatological conclusions in a scientific sense should be drawn of the tables and graphics contained in this report, since the raw METAR data might not satisfy climatological requirements.

We would like to thank the following persons and institutions for their help and contributions:

Karl Heinz Hack, Adrian Scherzinger, Mark Huber, Martin Peter, Marcel Haefliger, Markus Aebischer, Stefan Vonlanthen, Franziska Hoff, Barbara Kümin
(all MeteoSwiss)

René Sieber
Institute of Cartography
ETH Hoenggerberg

A Climatology

1. GEOGRAPHICAL SETTING

1.1. Overview Switzerland

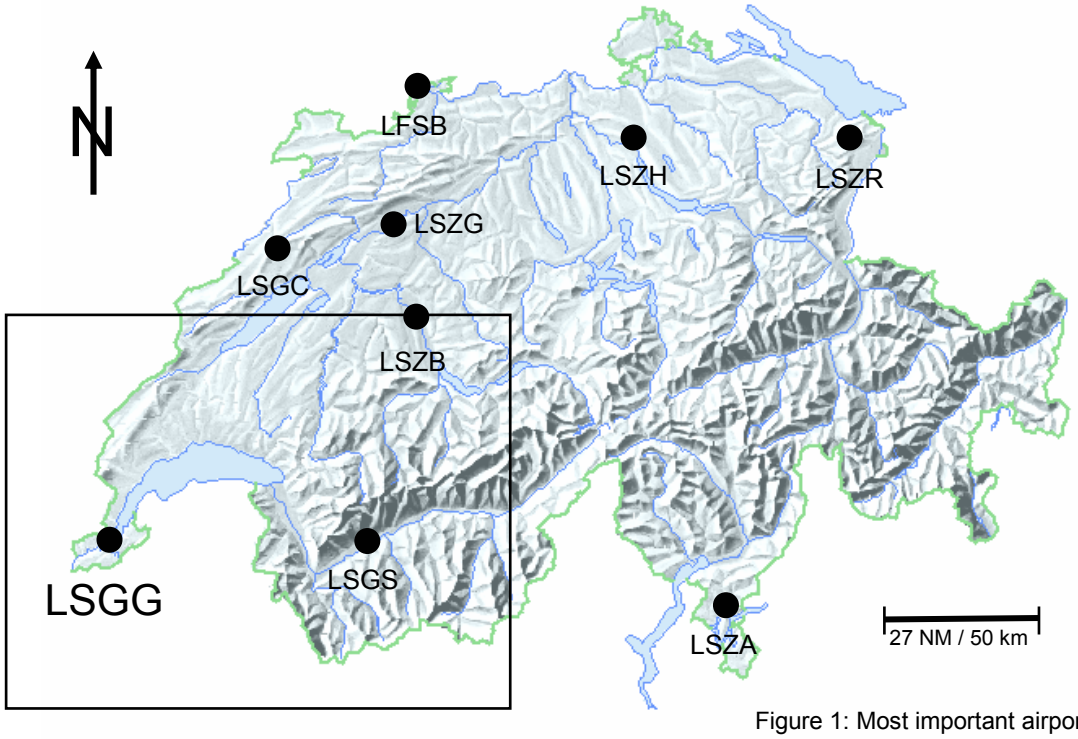
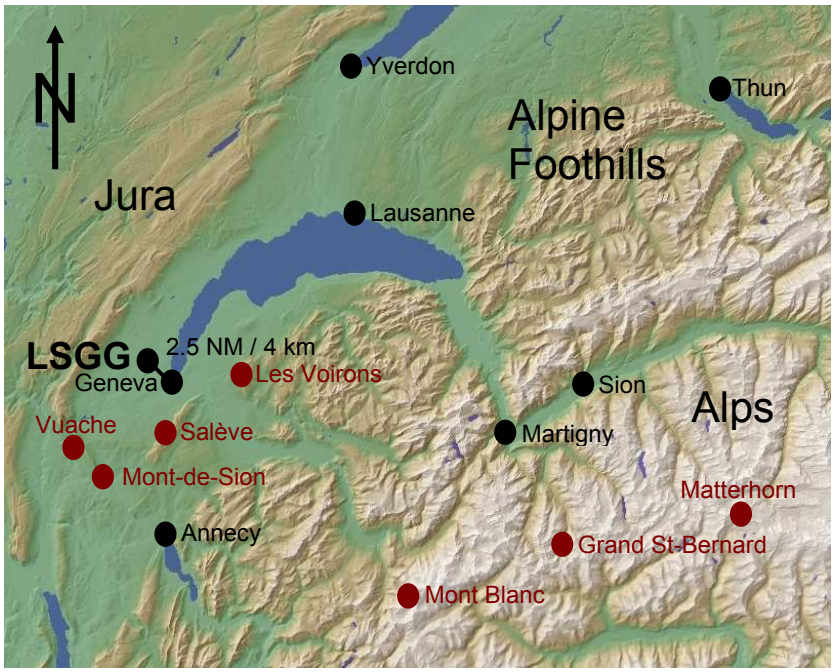


Figure 1: Most important airports of Switzerland

1.2. Overview Region Geneva

Geneva airport (official elevation 1411 ft / 430 m) is located 2.5 NM / 4 km north-west of Geneva City. (See also figures 1, 2, and 3)
It is situated at the south-western end of the Swiss Plateau, a large basin with low hills between the Alps and the Jura. North-west of the airport the Jura can be found while the Salève is situated in a south-westerly direction. The alpine foothills and behind them the Alps rise in the sector north-east to south of the airport. The orography of the Swiss Plateau canalises the wind in two preferred directions: north-east (Bise) and south-west (westerly flow).



Important Mountains in the Region:

Mont Blanc	15771 ft / 4807 m
Matterhorn	14692 ft / 4478 m
Grand St-Bernard	8100 ft / 2469 m
Les Voirons	4856 ft / 1480 m
Salève	4524 ft / 1379 m
Vuache	3645 ft / 1111 m
Mont-de-Sion	2693 ft / 821 m

Figure 2: 3 D map of the Geneva region
© Atlas of Switzerland – Version 2

1.3. Overview Airport Geneva

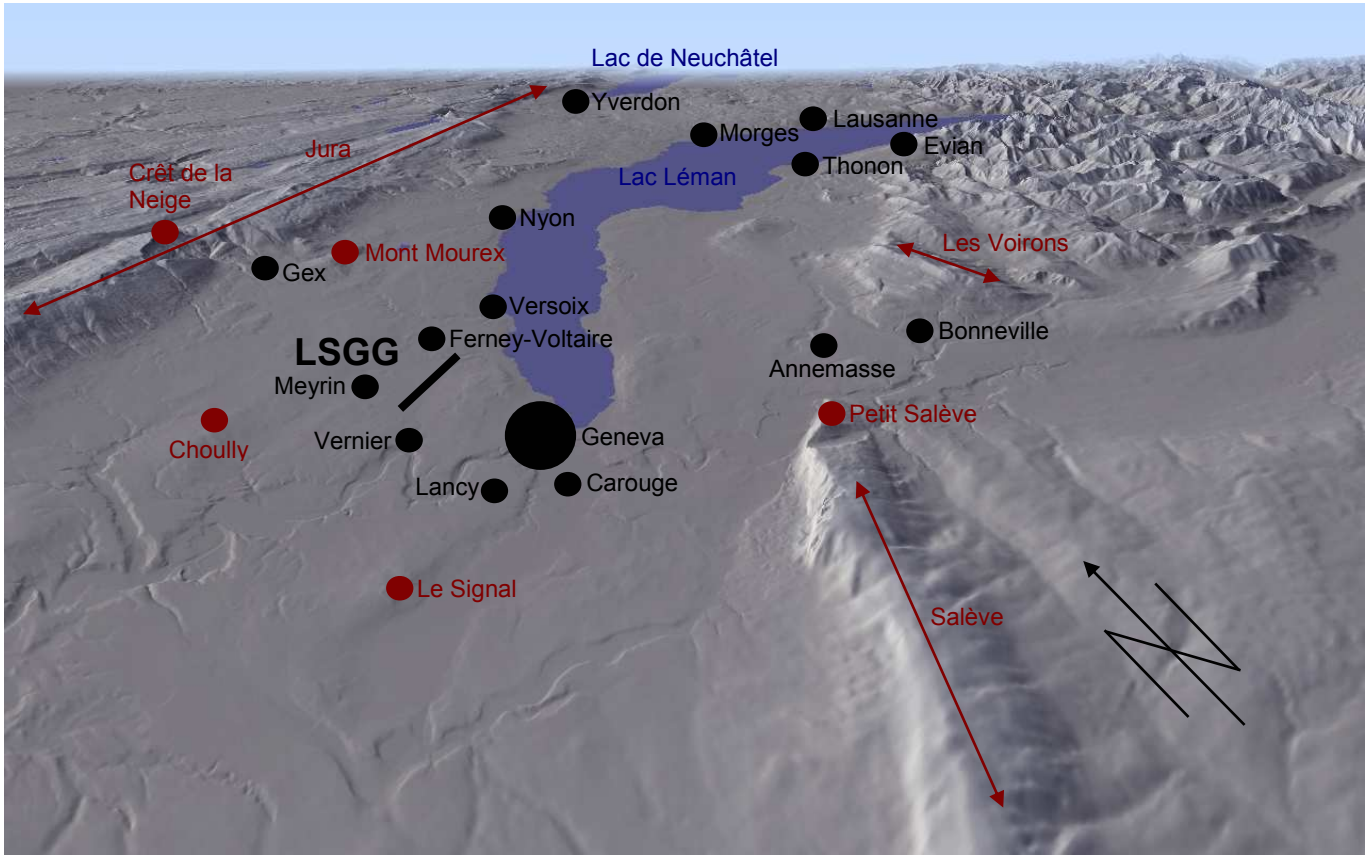


Figure 3: 3 D map of the Geneva region as seen from an altitude of approximately 30000 ft / msl
© Atlas of Switzerland – Version 2

Mountains and hills around the airport:

Crêt de la Neige	5636 ft / 1718 m
Les Voirons	4856 ft / 1480 m
Salève	4524 ft / 1379 m
Petit Salève	2950 ft / 899 m
Mont Mourex	2475 ft / 754 m
Choully	1657 ft / 505 m
Le Signal	1651 ft / 503 m
LSGG	1411 ft / 430 m

2. METEOROLOGICAL PATTERNS

2.1. Westerly Flow

2.1.1. Synoptic Overview and Associated Weather

Westerly flow is the dominant one among the four flow or advection patterns described here. This is true in respect of frequency and wind speed. The westerly flow pattern is typically associated with the frequent changes from warm to cold air masses and vice versa, which is connected to the passages of frontal zones. The activity depends on the wind speed, the humidity of the air mass and its stability, as well as the altitude and the structure of the mountain range, the air mass is flowing across. The eastern part of the northern alpine ridge is especially exposed to the changeability of this flow pattern. The south side of the Alps enjoys a certain protection during the whole year, the south-western part of Switzerland and the Valais only in the summer.

2.1.2. Season of Encounter

This pattern may appear at any time of the year, but is more frequent during the winter season than in summer. The reason for this is the more frequent development of heavy depressions in the colder seasons due to an increase of the temperature difference between warm and cold air masses at the Polar Front.
The weather is usually unsettled and windy (even sometimes with gales from October to March), due to the succession of warm and cold fronts with dry intervals in between. In March and April westerly flow brings characteristically unstable weather. In western Switzerland, the region of Geneva airport, westerly winds are less frequent than in eastern Switzerland because of the flow split of the northerly wind (Alps act as barrier).

2.1.3. Local Weather Phenomena

Front Passes over Cold Air Pool of the Swiss Plateau
In winter, after a period of high pressure, a shallow layer of cold air forms on the Swiss Plateau, frequently topped by a layer of stratus (inversion with low clouds). The westerly flow regime starts then with the arrival of a low pressure system and its first front (usually a warm front), preceded by westerly winds. It first passes over the pool of cold air, entrenched in the Swiss Plateau, and starts to entrain the cold air by turbulent mixing from the top downwards. When the frontal precipitation falls into the old humid and cold air mass, the visibility may drop from 2000 - 3000 m to 1000 m or even below. After the passage of the warm front the visibility increases only slightly. After the following cold front the visibility is usually very good.

Freezing Rain
The rather rare occurrence of freezing rain is associated with two situations: 1) The one just described in the paragraph above: Temperatures below the freezing point in the thin cold air layer near the ground and very high freezing level in the warm air above. 2) Warm fronts: Freezing rain can occur when the temperature difference between the lower cold air and the upper warm air masses is high enough.
In Geneva freezing rain is very rare, there are only 2 observations in the 10 years period.

Snow
In situations of a warm front with a low freezing level (2500 – 4000 ft / msl), precipitation frequently starts as snow, passes through the cold air mass below and reaches the ground in this form. With the approaching warm front the freezing level rises and after 2 – 3 hours snow turns into rain.
In Geneva snowfall occurs usually from November to April with a maximum from December to February.

Thunderstorm
In summer the Jura and the alpine foothills reinforce the thunderstorm activity along a cold front coming in from the west. While the thunderstorms are especially active near the mountain range, they may also affect the area of the airport.

Joran wind (Crosswind)
Of particular regional interest is the phenomenon of the north-westerly wind after a cold front pass. The Jura chain acts as a barrier to the arriving cold air, which accumulates in the surface layer windward of the mountain. A pressure-surplus is caused there, until the cold air is high enough to surge over the barrier. It is often signalled by a band of pileus-like clouds covering the top of the Jura. The resulting Joran wind on the leeside reaches the runway of Geneva as crosswind in form of gusts. These gusts may reach 30 kt, but usually range between 15 to 25 kt. The Joran wind usually lasts for 1 or 2 hours.

2.1.4. Aviation Hazards

- Low ceiling and poor visibility within the frontal zones with onset of precipitation
- Turbulence and icing conditions in clouds
- Wind shear in frontal zones
- Gusts in passing cold fronts
- Snowfall (when temperatures are low enough)
- Rare cases of freezing rain, depending on the vertical temperature structure
- Post frontal weather conditions are very unsteady with gusts and rapid changes between good and bad conditions
- Possibility of embedded CB`s in cold fronts (rarely in warm fronts)
- Alps and Jura obscured by clouds
- Crosswinds behind the cold fronts at Geneva airport (Joran wind)

2.2. Northerly Flow

2.2.1. Synoptic Overview and Associated Weather

The northerly flow pattern combines air mass advection from the north-west and north. Typical for this situation is the marked difference in the type of weather between the western and eastern parts as well as between the northern and southern parts of Switzerland. On the continental and the regional scale the northern and the eastern areas of Europe are influenced by more cloudy and rainy weather (cyclonic character). The western and southern parts benefit from the influence of the following anticyclone, because these parts are further away from the dominating depression. In addition to that, the southern regions are favourably influenced by the leeward down draught (Foehn) from the mountain range. Below 2000 m a flow split into north-east (Bise) in the west and into north-west in the east of the Swiss Plateau is observed.

2.2.2. Season of Encounter

This pattern is more frequent in winter and spring, often occurs after a westerly flow and usually leads to a north-easterly flow regime (Bise). It normally lasts between 5 and 7 days, especially in summer and autumn periods of only 3 days are possible. Norhterly flow is less frequent and is of a shorter duration in the Geneva area than in the eastern part of Switzerland.

2.2.3. Local Weather Phenomena

Barrier Clouds and Precipitation
Due to the barrier effect of the Alps the northerly flow gets blocked over the Swiss Plateau, the pressure increases and the air mass rises over the Alps. A closed cloud layer occurs above the Swiss Plateau with the lowest ceiling close to the Alps, accompanied by precipitation along the northern mountain range and in eastern Switzerland. Geneva airport is located on the lee-side of the Jura. This makes pattern less intense since a katabatic wind effect tends to evaporate some of the precipitation and decreases the cloudiness in this region. However, visibility can be poor due to the stationary clouds and precipitation and even thunderstorms are possible. With low temperatures precipitation falls as snow and often in large amounts and for several hours.

Northerly Foehn
The Foehn wind is caused by the pressure gradient between the northern (higher due to barrier effect) and southern part of the mountain range. The Alps disappear in clouds. In southern Switzerland severe clear air turbulence occur and the dry leeward down draught (Foehn wind) brings warm weather south of the Alps associated with low-level wind gusts.

2.2.4. Aviation Hazards

- North of the Alps: - Poor visibility, low ceiling (400 – 800 ft / grd) and precipitation
  - Icing conditions in clouds
  - Mountains obscured by clouds
  - Heavy snowfall for several hours between November and April
- South of the Alps: - Severe turbulence over and south of the mountains
  - Low-level wind gusts

2.3. Easterly Flow

2.3.1. Synoptic Overview and Associated Weather

The easterly flow pattern develops after a significant pressure gradient from north-east to south-west across the Alps has been built up. In Switzerland the type of weather connected with this situation has usually an anticyclonic influence. However, in cases of a northern position of an active Mediterranean depression, cyclonic influence is dominating. The plains on either side of the Alps may be under a cover of low stratus combined with a persistent inversion and dry, subsiding air above the low clouds (elevated fog or stratus). The continental easterly wind called Bise accelerates over the Swiss Plateau between the Jura and the Alps and achieves its maximum speed at the “bottleneck” of Geneva. However, Bise is not exclusively associated to an easterly flow weather type.

2.3.2. Season of Encounter

This pattern is very frequent in winter and spring, rarely occurs in summer and can last for several days. It is less frequent than westerly, northerly or southerly flow.
Because of the flow split the Bise is more frequent in Geneva than in the more eastern part of Switzerland.

2.3.3. Local Weather Phenomena

Elevated Fog
In late autumn and winter the typical situation with elevated fog or stratus up to 2000 m / msl occur in the cold air pool of the Swiss Plateau. The Bise gets canalized between the Jura and the Alps. Because of the “bottleneck” in the Geneva region, the wind speed is generally increased. This may lead to more persistent stratus layers in this region. The elevated fog situation can last for several days and mainly occurs in autumn and winter with the highest probability in December and January. Above the fog or stratus layer the atmosphere is clear due to anticyclonic influence.
In spring and summer the easterly flow usually is associated with fair weather due to the dry and frequently warm continental air mass.

Turbulence
The highest wind speeds in Geneva are observed during a Bise regime, except of very rare occasions with strong westerly flow. Gusts of 35 to 40 kt are frequently observed during winter and sometimes even gusts up to 50 kt can be expected.

2.3.4. Aviation Hazards

- Strong winds and turbulence near the ground especially in western Switzerland and Geneva area
- Elevated fog: - Poor visibility below the stratus layer
  - Often closed cloud layer over the Swiss Plateau
  - Gaps in the cloud layer may close again quite rapidly

2.4. Southerly Flow

2.4.1. Synoptic Overview and Associated Weather

Southerly flow patterns are considerably rarer than the northerly ones that also belong to the meridional flow types. The activity of the southerly flow pattern is sustained by a surface depression over the eastern Northatlantic and western Europe. The west to east direction of the Alps causes the development of Foehn winds on the leeward side combined with a strong pressure gradient from south to north. Foehn situations are often associated with the southerly flow. The usually dry and rather often sunny “Foehn weather” to the north of the alpine ridge is in striking contrast to the humid weather along the southerly slopes of the Alps. There is also a subtype of the Foehn situation which is restricted to the typical Foehn valleys within the Alps when the pressure gradient is not too accentuated.

2.4.2. Season of Encounter

The southerly flow pattern is very frequent in autumn, less frequent in winter and spring, but sometimes occurs even in summer. Since Foehn winds may also develop in other synoptic situations like south–easterly and westerly flow patterns or in a low pressure system, southerly Foehn winds are more frequent than just the southerly flow patterns.

2.4.3. Local Weather Phenomena

Southerly Foehn
With southerly flow the alpine ridge acts like a barrier. This results in clouds and precipitation on the windward side and a so called Foehn wall forms in the region of the mountain crest. In the Foehn valleys it is mostly warm, windy and dry with high visibility.
When the pressure gradient is big enough, the warm and dry Foehn influences the central and eastern part of Switzerland. Approaching fronts from the west usually are slowed down and the sky keeps relatively clear.
The Foehn wind never reaches Geneva but its effect in this region is subsidence and the slow down of an approaching front. This has got direct consequences on the forecast timing for the airport.

Turbulence
North of the Alps turbulence and lee waves occur and can also reach the wider region of the airport. Especially in the Foehn regions near the Alps attention must be paid to severe turbulence and down draft.

2.4.4. Aviation Hazards

- South of the Alps: - Very low ceiling, poor visibility, persistent precipitation, icing conditions in clouds
  - Thunderstorms with associated heavy turbulence in summer
  - Mountains obscured by clouds
- North of the Alps: - Lee waves, turbulence
  - Wind shear when the dry warm Foehn wind flows over the cold air pool of the Swiss Plateau or when the Foehn gets weak by the approaching front in the west
  - High temperatures reduce engine performance

2.5. Flat Pressure Pattern

2.5.1. Synoptic Overview and Associated Weather

Flat Pressure Pattern with Thermal Thunderstorms
Flat pressure leads to a weak or inexistent synoptic flow. In contrary to the anticyclonic regime there is only little or no subsidence, which leads to a high chance of convection. In the indifferent situation of this pattern the weather shows a distinct diurnal variation: after sunshine during the first half of the day, deep convection clouds are building up, but not exclusively in mountainous terrain. Thermal thunderstorms are induced. Winds aloft carry the upper sections of convective clouds away from the place of formation. Thunderstorms induced by these thermal and orographic conditions show an irregular pattern in the distribution of the total amount of precipitation. Great differences may be observed within a distance of only a few kilometres!

Flat Pressure Pattern with Frontal Thunderstorms
The continuous warming of the land mass in flat pressure situations increases the temperature difference between the continent and the adjacent sea surface. This creates a pressure gradient between the continent and the ocean. In summer this repeatedly leads to outbreaks of cool and moist maritime air masses towards the Alps. With reference to the similar but more pronounced situation in southern Asia, the above development has been named 'European Summer Monsoon'. Thunderstorms which develop in the immediate vicinity of such an outbreak of cold air are called frontal thunderstorms. If the passage of the cold front happens to coincide with the time of greatest diurnal warming or just after, the activity of the frontal thunderstorms is again increased.

2.5.2. Season of Encounter

Synoptic situation with a small horizontal surface pressure gradient over large parts of a continent are most frequent during the summer, since temperature differences between polar and tropical region are smallest in this particular season. This pattern usually lasts for several days.

2.5.3. Local Weather Phenomena

Convection
During hot days a lot of warm air bubbles are lifted and rise up to the condensation base, where they turn into cumulus clouds. Below the convection clouds moderate to severe turbulence with strong vertical winds occur. Cumulus congestus may rise quickly up to the tropopause. Typically cumulonimbus capillatus (CB) with anvil produce thunderstorm. As a rule-of-thumb, the difference between dew-point and temperature multiplied by 400 equals the cloud base height in feet.

Thunderstorm
Thermal thunderstorms occur due to convection at the end of the day while frontal thunderstorms happen at any time of the day. Very heavy thunderstorms are the result of a line of frontal thunderstorms which reach a convecting air mass during the late afternoon in summer. Thunderstorms are accompanied with different aviation hazard, such as heavy rain and fog with reduced visibility. Occasionally precipitation also falls in the form of hail which can damage the structure of an airplane. Wind shear, strong gusts and strong up and down draughts occur near the thunderstorm.
In Geneva thunderstorms are most frequent from May to August between 12 and 00 UTC.

High Temperatures
This weather pattern is normally accompanied by very high temperatures in summer. The density of hot air decreases and this leads to a dangerous decrease of the engine performance, too.

2.5.4. Aviation Hazards

- Thunderstorm:
  - Heavy rain with reduced visibility and rapid cooling
  - Severe wind shear and gusts in proximity of thunderstorms
  - Sudden gusts up to 60 kt
  - Lightning
  - Hail in strong thunderstorms
  - Outflow of cold air associated with sudden change of the wind regime at distant places from the active thunderstorm
  - Microbursts (very strong and small scaled outflow of cold air usually associated with CB's)
- Visibility frequently reduced due to haze
- High temperatures reduce engine performance

2.6. High Pressure Pattern

2.6.1. Synoptic Overview and Associated Weather

This pattern normally produces favourable conditions for the aviation because of the influence of an anticyclone with strong subsidence. That sinking process increases the temperature of the air masses due to compression. The relative humidity decreases and clouds dissolve. Warm anticyclones are accompanied by distinct flow patterns aloft. On continental scale this prevents cyclones and frontal zones to enter regions with anticyclones.

High Pressure Pattern in Summer
The atmospheric pressure is higher than the average values and only few convective clouds are produced. The convective clouds are mostly limited to mountainous regions. Over the Alps of Switzerland a thermal low can be observed. It is caused by the excessive heating of alpine air during the day in comparison with air over the plain at the same height. The daytime heating is clearly stronger on the valley bottom than at higher levels.
In this season the Azores high can also expand up to central Europe and guarantees high temperatures and clear sky for several days or even weeks.

High Pressure Pattern in the Colder Seasons
From November to March maintained anticyclonic conditions repeatedly occur over the continent. After several days of subsidence a very strong temperature inversion is formed, which is a few hundred meters thick. The negative radiation balance of the surface during the winter half year prevents the subsidence from reaching the lowest atmospheric layer.

2.6.2. Season of Encounter

High Pressure Pattern is observed at any time of the year and can last between one day and several weeks. They usually last longer in summer and winter, because approaching deep Atlantic cyclones in spring and autumn degrade the ridge of the high pressure. In summer this pattern often degenerates to a flat pressure pattern with air mass thunderstorms.

2.6.3. Local Weather Phenomena

Radiation Fog
In the colder seasons during clear and calm nights a radiation deficit occurs over the ground due to the negative long wave radiation budget. Temperature over the ground decreases as a consequence. The visibility in areas with radiation fog can drop from 800 – 1000 m to 100 – 200 m quite rapidly. The important conditions for radiation fog are clear sky (increased radiation with the development of an inversion layer), low wind speed and high relative humidity.
The region of the Geneva airport fulfils these conditions in the cold seasons quite often. The airport is placed in a flat basin. Radiation fog is therefore an often observed phenomenon in this region and occurs usually between September and March. There is a low chance for no dissolution during the whole day from November to the middle of February.
Also in summer formation of radiation fog can not totally be excluded during the night, especially in the early morning.

High Temperatures
This weather pattern is normally accompanied by very high temperatures in summer. The density of hot air decreases and this leads to a dangerous decrease of the engine performance, too.

2.6.4. Aviation Hazards

- High temperatures reduce engine performance
- Haze reduces visibility in summer
- Isolated thunderstorms in summer when the anticyclone weakens by surface heating
- Radiation fog, fog patches and mist decrease visibility in autumn and winter
- Radiation fog can occur quite quickly and decrease visibility to 100 – 1000 m

B Tables and Graphics

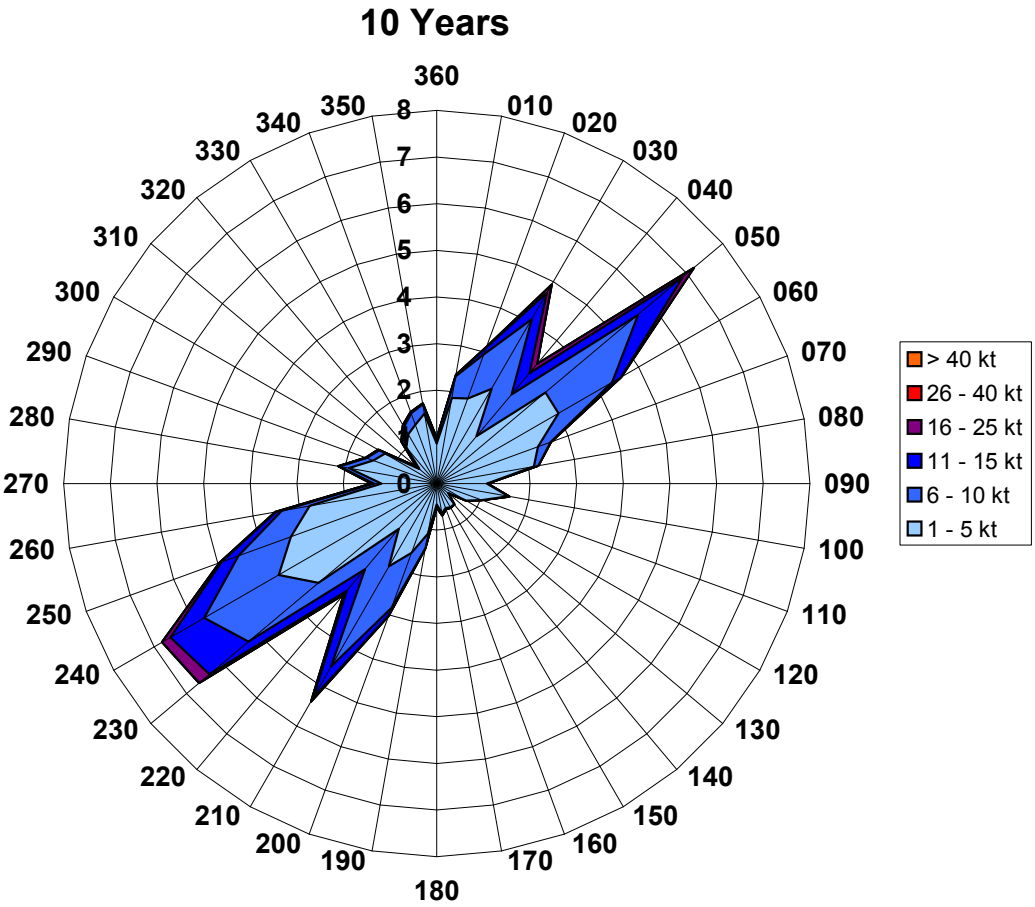
1. WIND

1.1. Wind Polygon

1.1.1. Wind Polygon 10 Years

Frequencies in percent of occurrence of concurrent wind direction every 10° and wind speed within specified ranges (legend). Frequencies are calculated relative to all potentially possible minus the not available (NA) observations. The value of NA is calculated relative to the potentially possible observations. It indicates the reduction of the data base due to NA. Calm is for the wind speed with 0 kt. Variable is for the wind speed between 1 and 3 kt and no wind direction.

Example: In the 10 years period 6.7% of all observations showed a wind speed between 1 and 25 knots with a concurrent wind direction of 240 degrees.

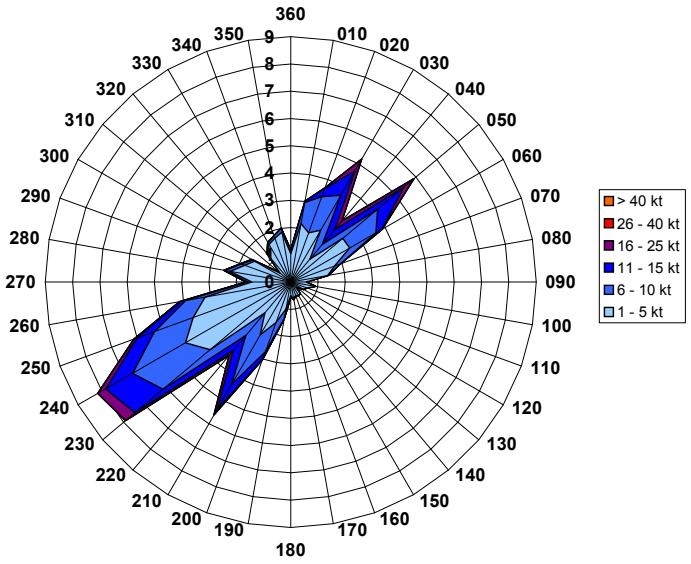


NA: 5.2 %
Calm: 12.2 %
Variable: 0.7 %

1.1.2. Wind Polygon per Season

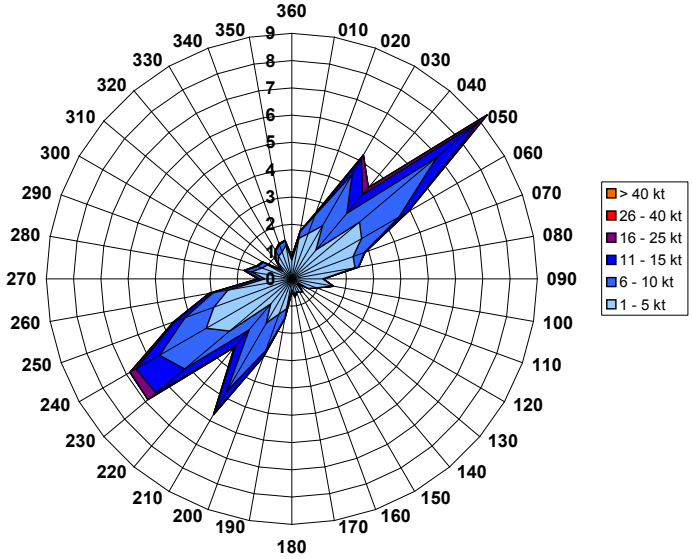
Example: In the 10 years period in winter 8.2% of all observations showed a wind speed between 1 and 25 knots with a concurrent wind direction of 240 degrees.

Winter (Dec/Jan/Feb)



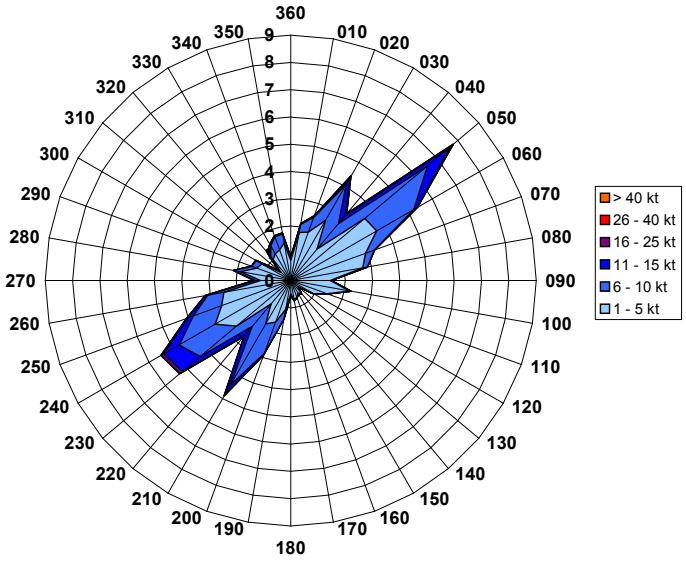
NA: 12.5 %
Calm: 9.5 %
Variable: 0.6 %

Spring (Mar/Apr/May)



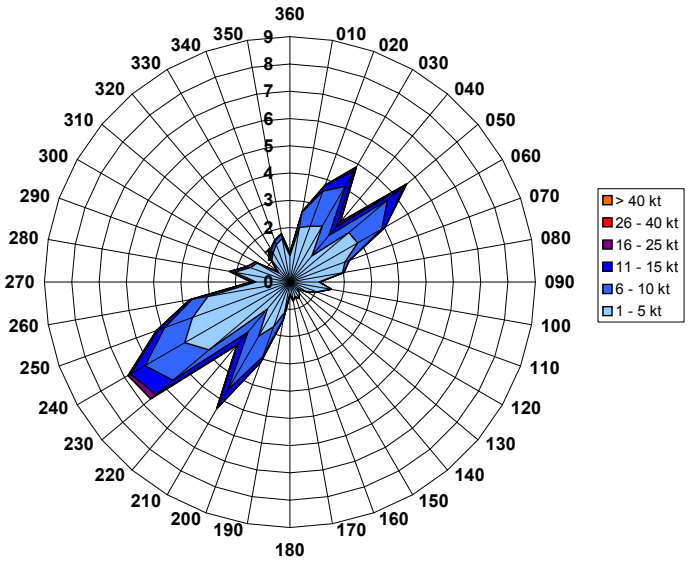
NA: 2.9 %
Calm: 11.5 %
Variable: 0.6 %

Summer (Jun/Jul/Aug)



NA: 2.7 %
Calm: 14.0 %
Variable: 0.5 %

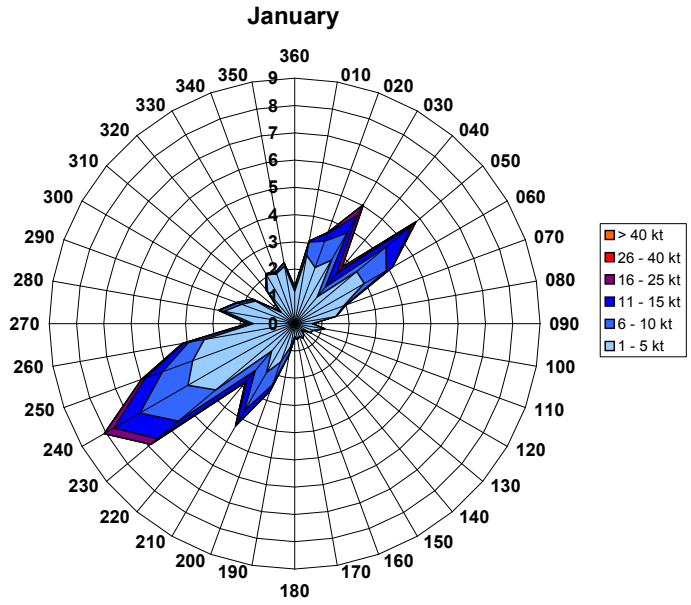
Autumn (Sep/Oct/Nov)



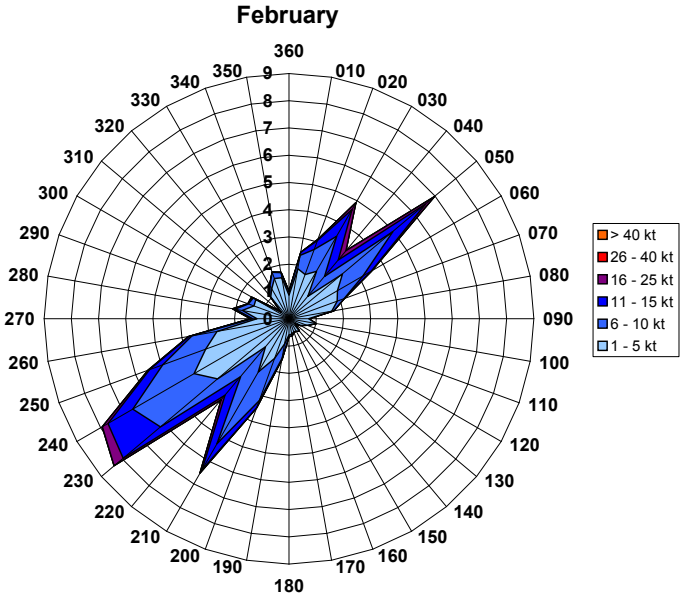
NA: 2.8 %
Calm: 13.6 %
Variable: 0.9 %

1.1.3. Wind Polygon per Month

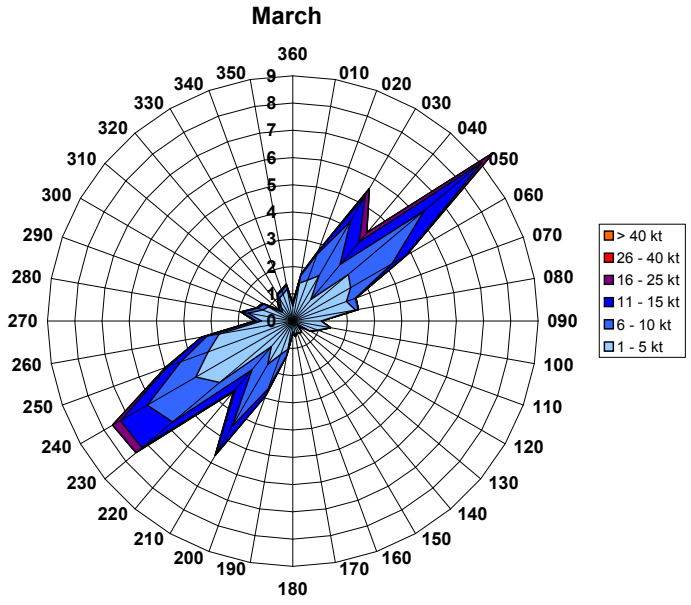
Example: In the 10 years period in January 8.1% of all observations showed a wind speed between 1 and 25 knots with a concurrent wind direction of 240 degrees.



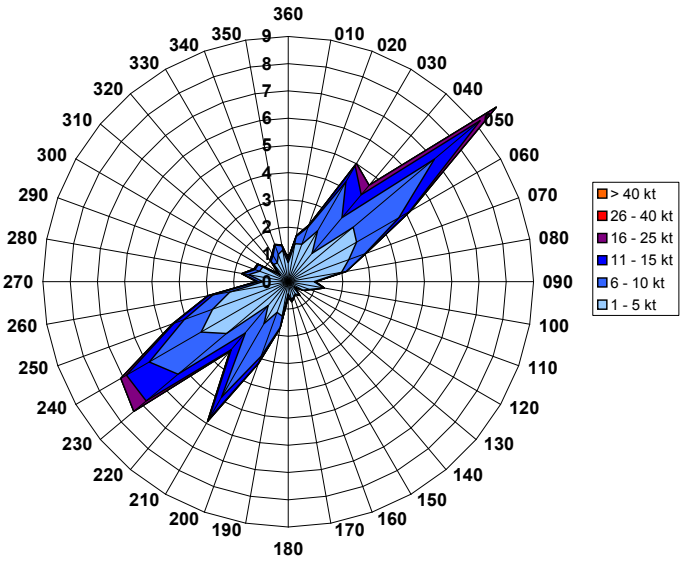
NA: 13.4 %
Calm: 11.0 %
Variable: 0.3 %



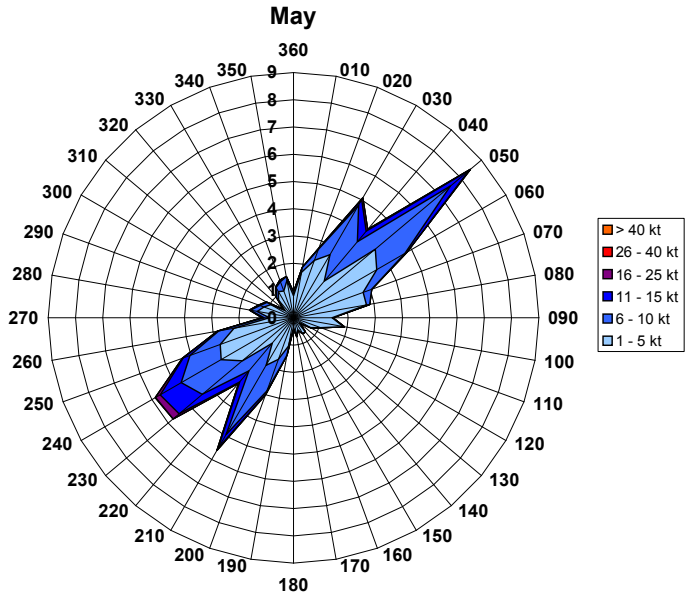
NA: 22.2 %
Calm: 9.7 %
Variable: 0.9 %



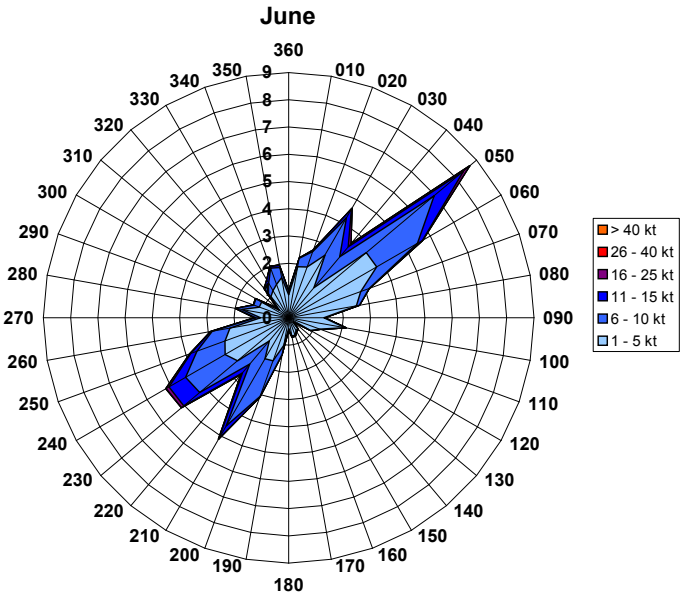
NA: 2.8 %
Calm: 10.2 %
Variable: 0.6 %



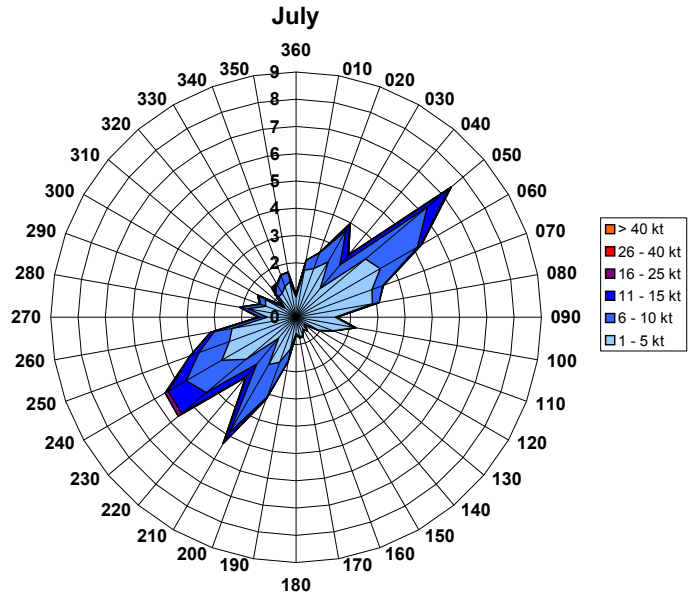
NA: 3.2 %
Calm: 10.2 %
Variable: 0.7 %



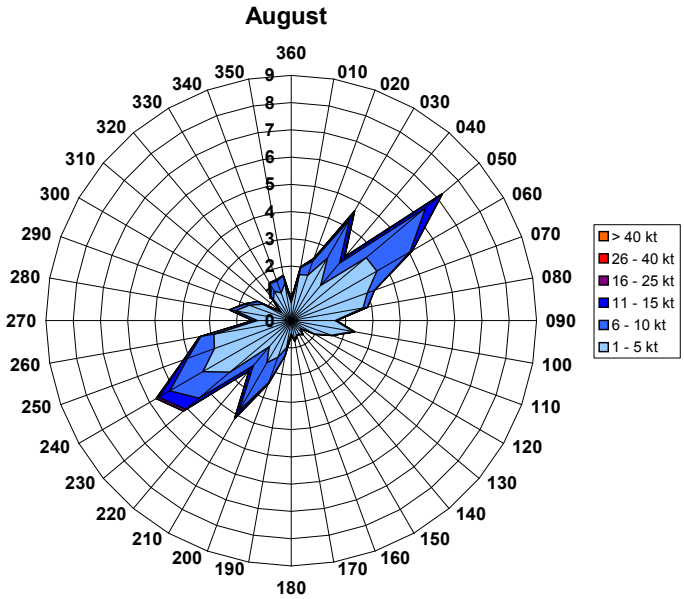
NA: 2.5 %
Calm: 14.0 %
Variable: 0.6 %



NA: 2.6 %
Calm: 13.4 %
Variable: 0.6 %

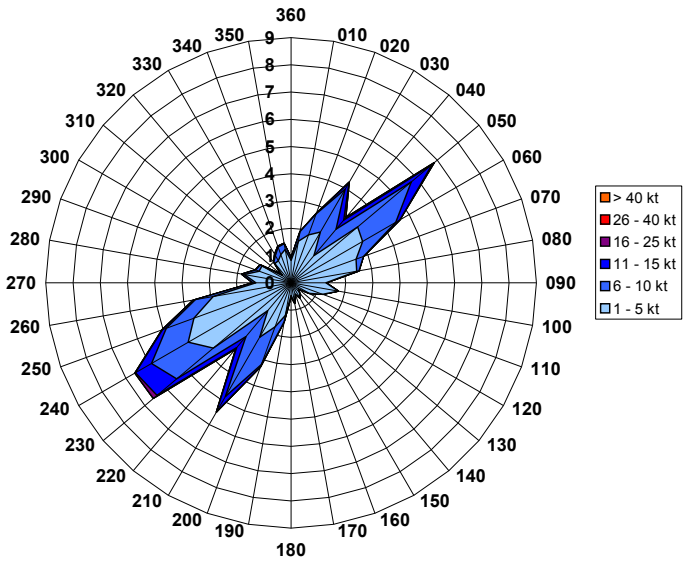


NA: 2.7 %
Calm: 13.0 %
Variable: 0.5 %



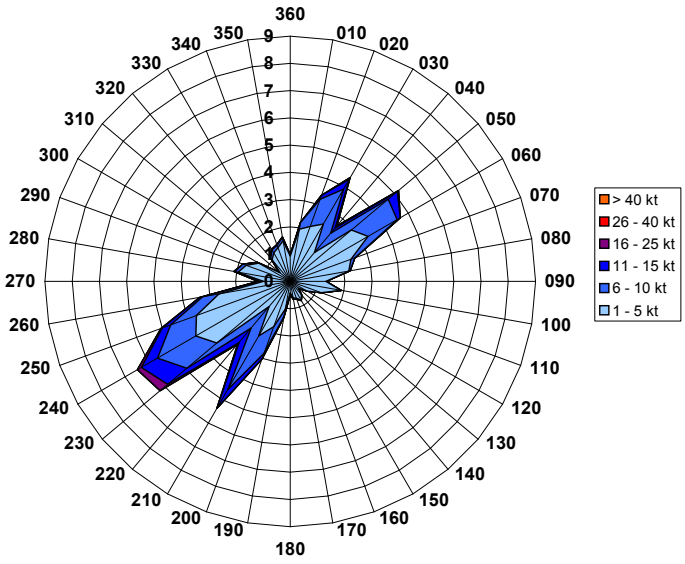
NA: 2.7 %
Calm: 15.6 %
Variable: 0.6 %

September



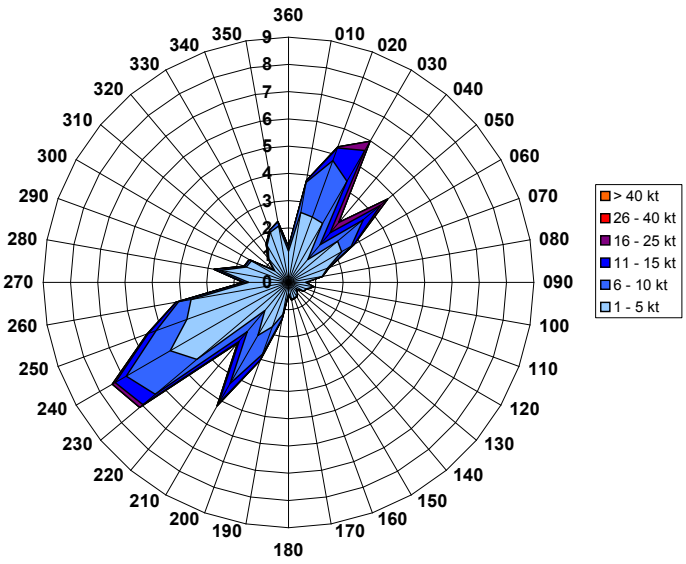
NA: 2.6 %
Calm: 14.3 %
Variable: 0.9 %

October



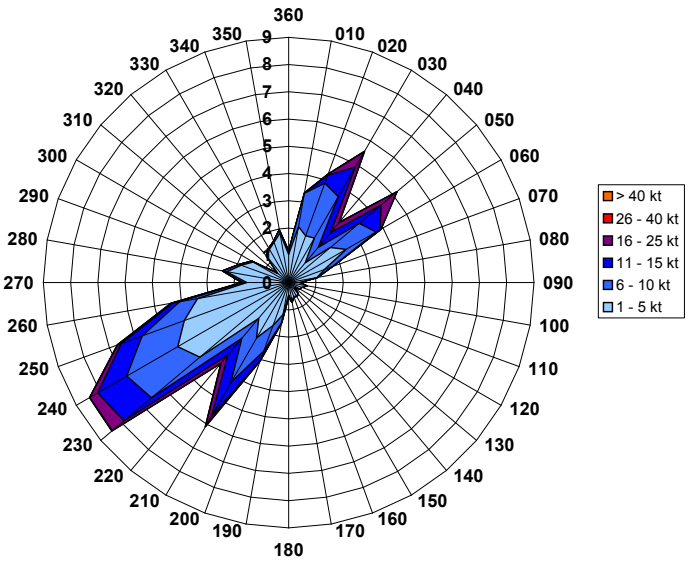
NA: 2.5 %
Calm: 15.4 %
Variable: 1.1 %

November



NA: 3.2 %
Calm: 11.0 %
Variable: 0.8 %

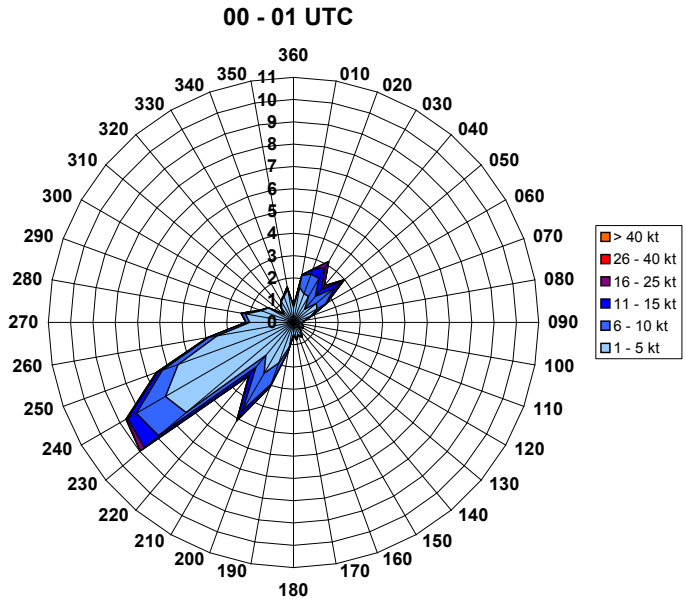
December



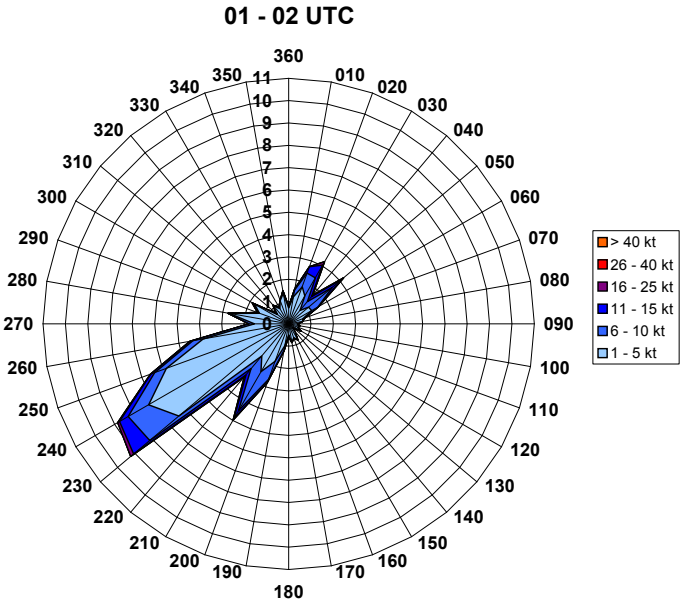
NA: 2.6 %
Calm: 8.0 %
Variable: 0.6 %

1.1.4. Wind Polygon per Hour

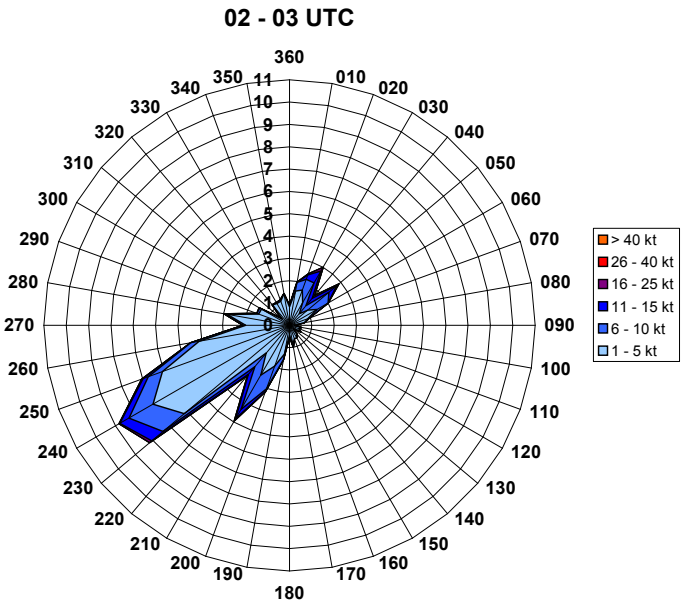
Example: In the 10 years period between 00 and 01 UTC 9% of all observations showed a wind speed between 1 and 25 knots with a concurrent wind direction of 230 degrees.



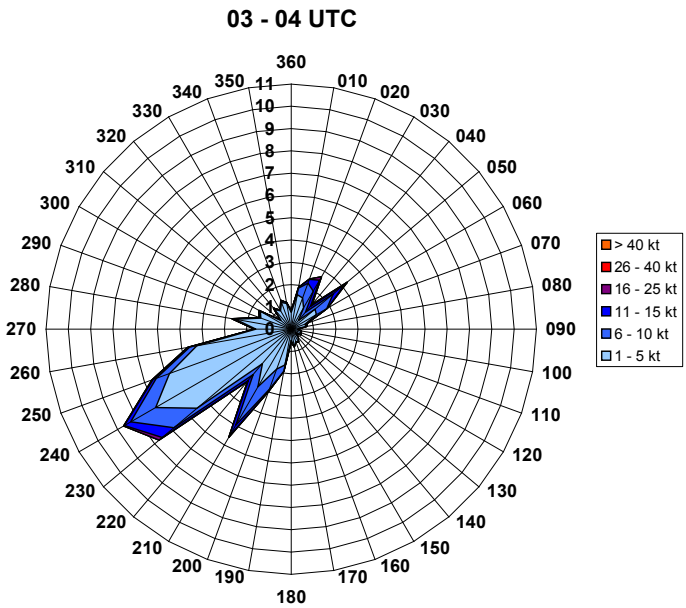
NA: 4.0 %
Calm: 23.9 %
Variable: 0.5 %



NA: 51.8 %
Calm: 23.4 %
Variable: 0.5 %

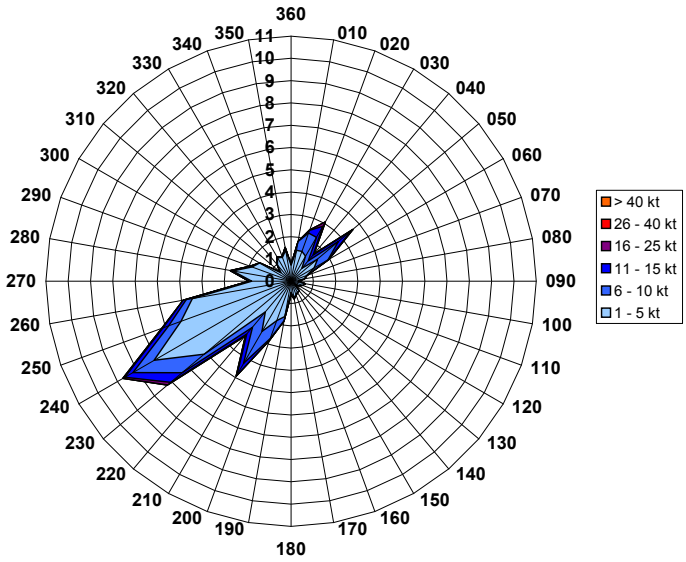


NA: 3.2 %
Calm: 22.8 %
Variable: 0.5 %



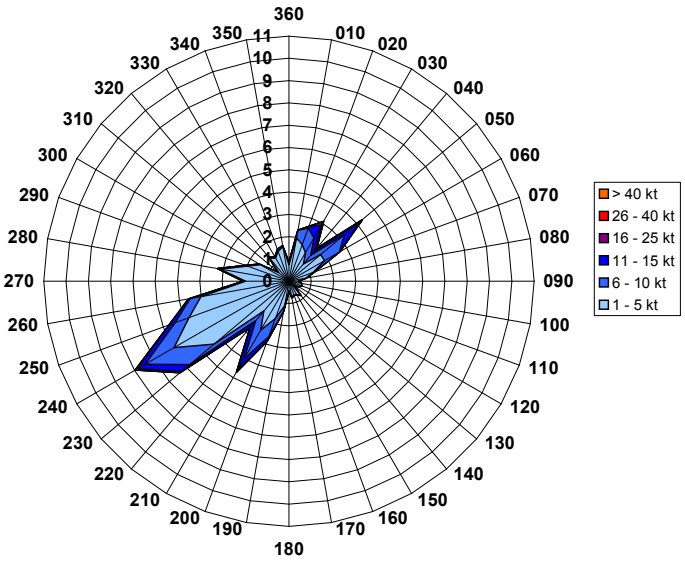
NA: 3.4 %
Calm: 24.2 %
Variable: 0.6 %

04 - 05 UTC



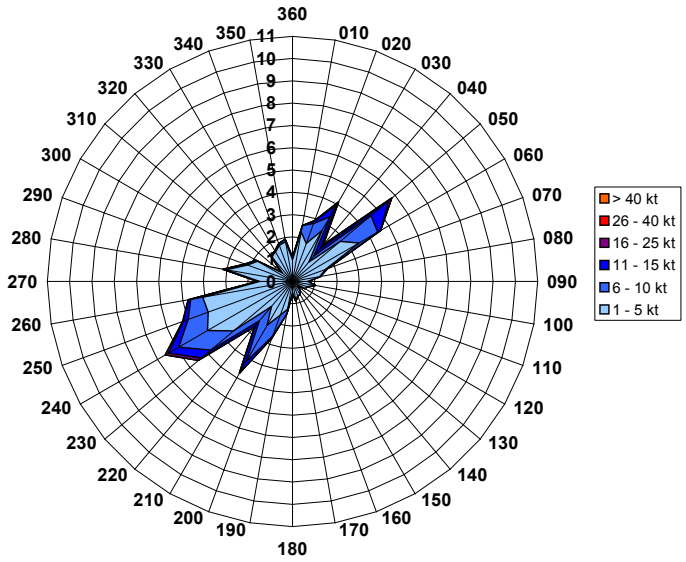
NA: 3.0 %
Calm: 24.1 %
Variable: 0.5 %

05 - 06 UTC



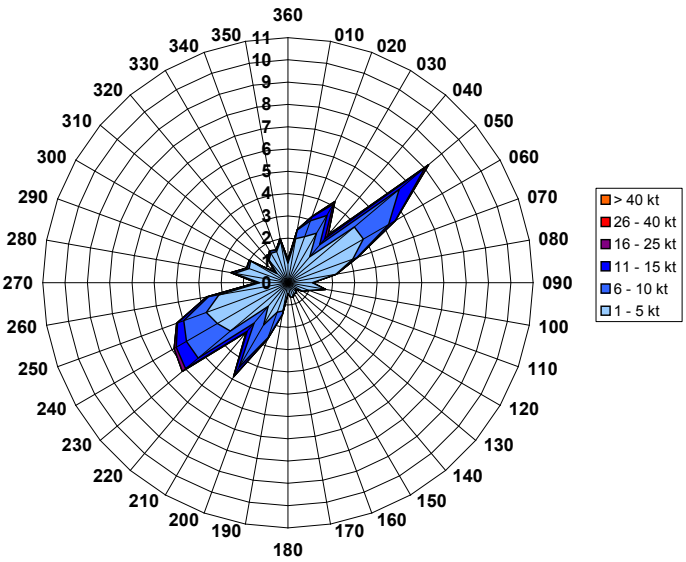
NA: 2.9 %
Calm: 22.3 %
Variable: 0.5 %

06 - 07 UTC



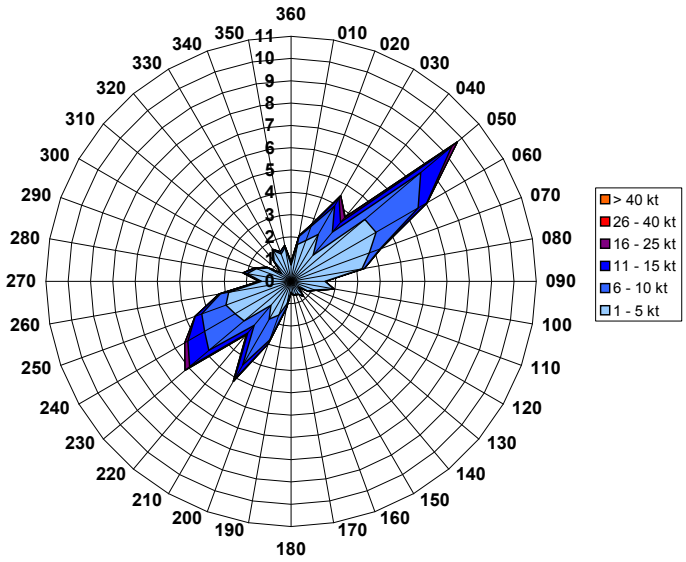
NA: 2.9 %
Calm: 16.3 %
Variable: 1.0 %

07 - 08 UTC



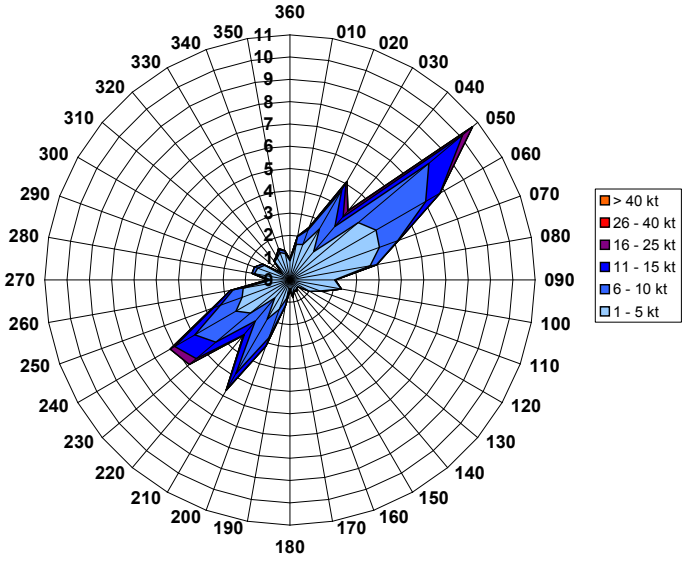
NA: 3.0 %
Calm: 10.0 %
Variable: 0.9 %

08 - 09 UTC



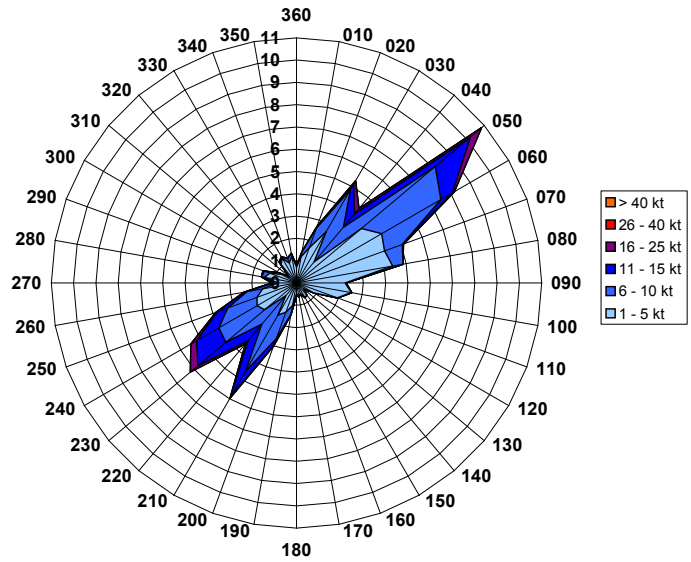
NA: 3.0 %
Calm: 6.2 %
Variable: 1.2 %

09 - 10 UTC



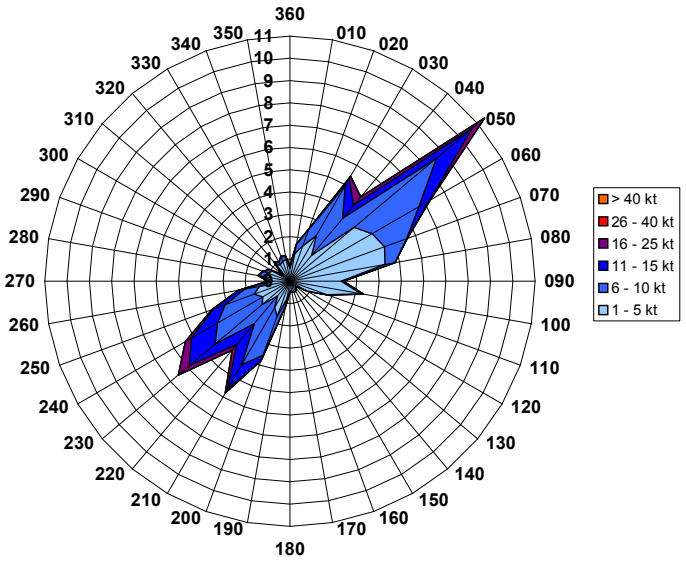
NA: 2.9 %
Calm: 3.5 %
Variable: 0.9 %

10 - 11 UTC



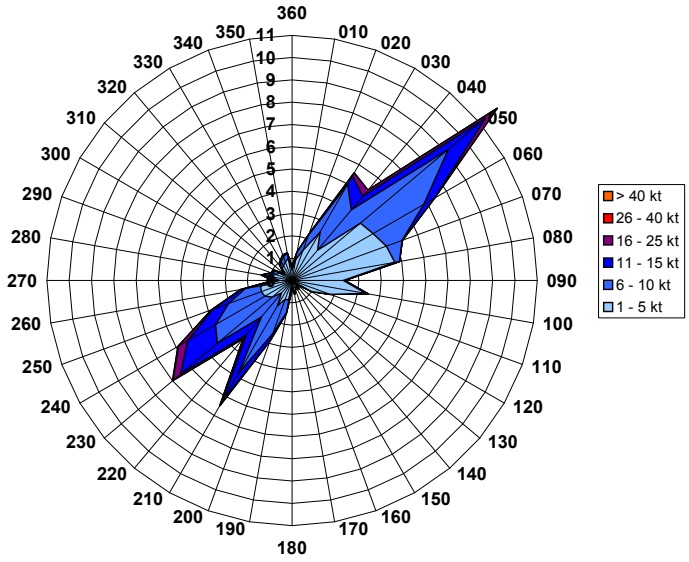
NA: 2.8 %
Calm: 1.7 %
Variable: 1.0 %

11 - 12 UTC



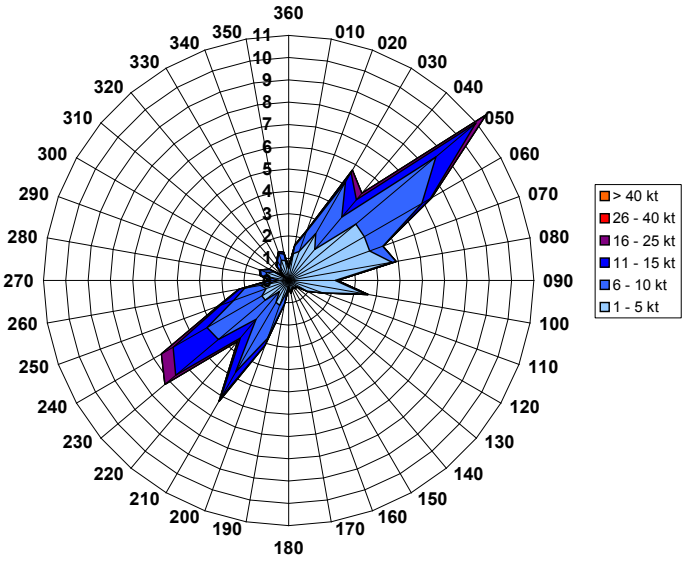
NA: 3.0 %
Calm: 1.2 %
Variable: 0.9 %

12 - 13 UTC



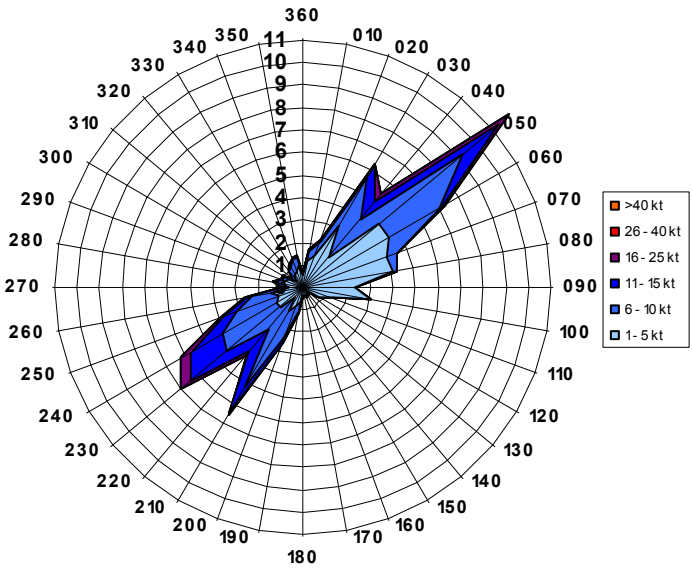
NA: 2.9 %
Calm: 1.3 %
Variable: 0.7 %

13 - 14 UTC



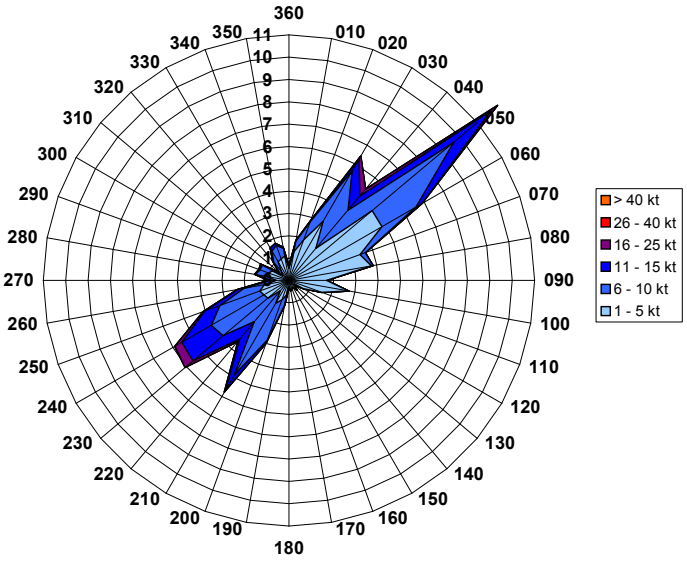
NA: 3.1 %
Calm: 1.5 %
Variable: 0.7 %

14 - 15 UTC



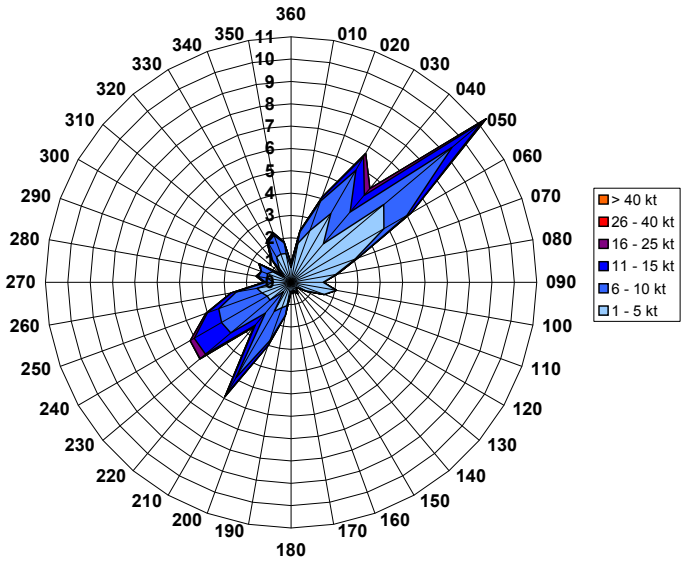
NA: 2.9 %
Calm: 2.1 %
Variable: 0.7 %

15 - 16 UTC



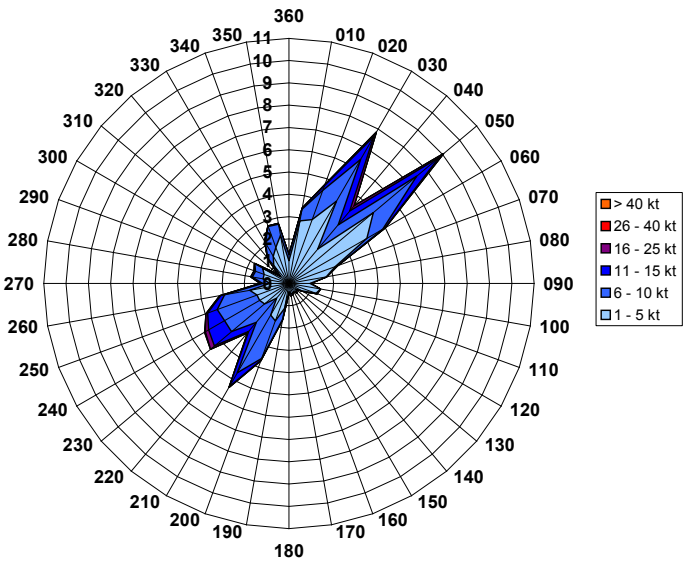
NA: 2.9 %
Calm: 2.7 %
Variable: 0.5 %

16 - 17 UTC



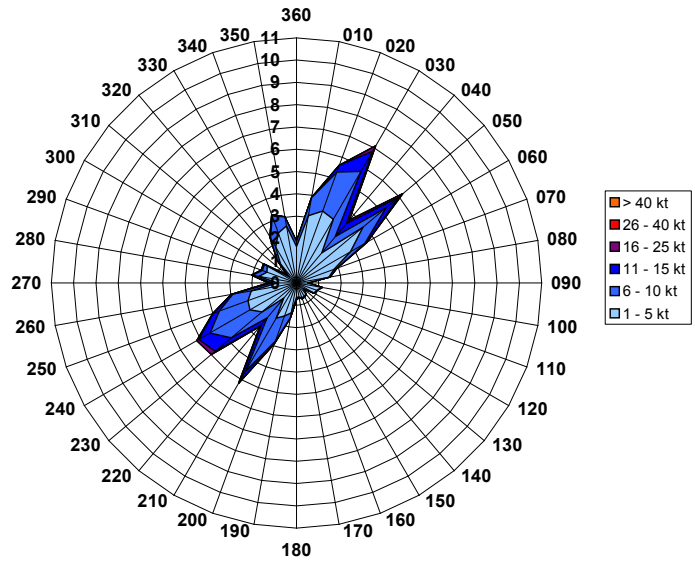
NA: 2.9 %
Calm: 4.2 %
Variable: 0.5 %

17 - 18 UTC



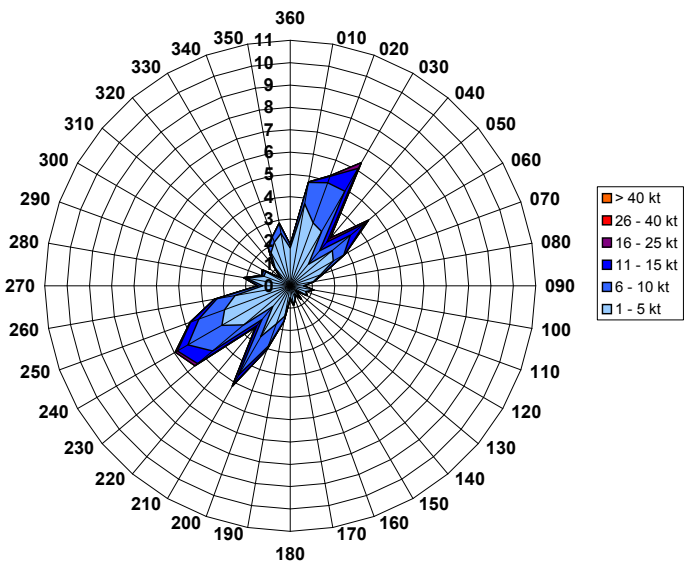
NA: 3.0 %
Calm: 6.4 %
Variable: 0.5 %

18 - 19 UTC



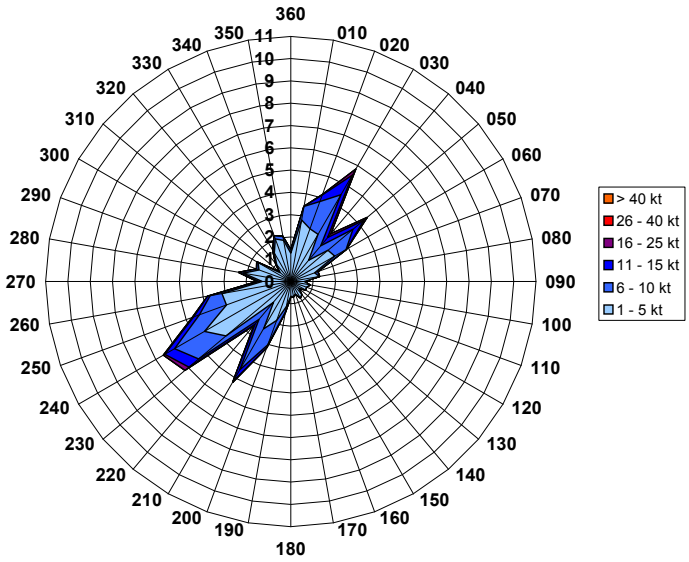
NA: 3.0 %
Calm: 9.9 %
Variable: 0.6 %

19 - 20 UTC



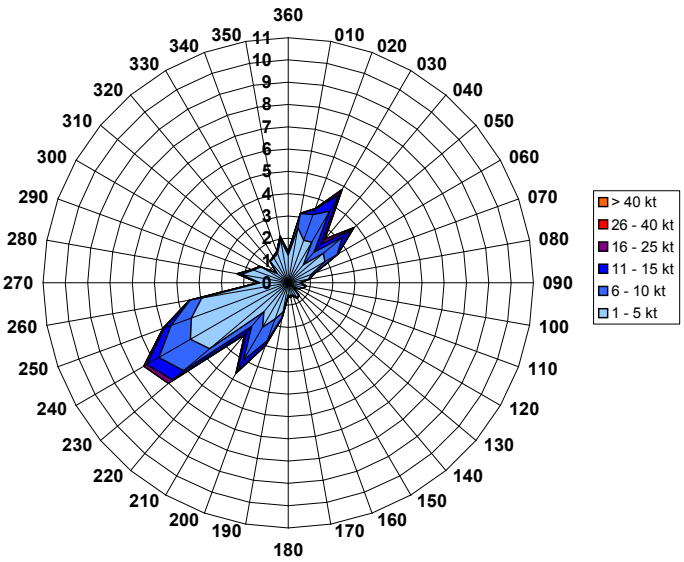
NA: 4.3 %
Calm: 14.0 %
Variable: 0.7 %

20 - 21 UTC



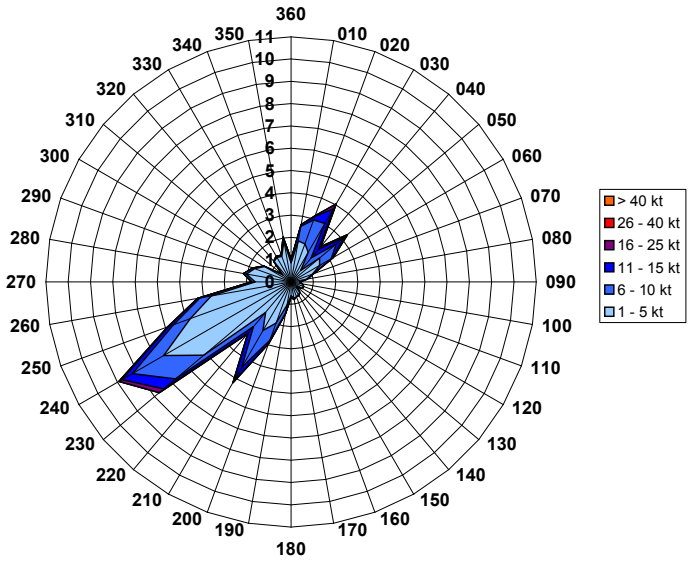
NA: 3.1 %
Calm: 16.3 %
Variable: 0.6 %

21 - 22 UTC



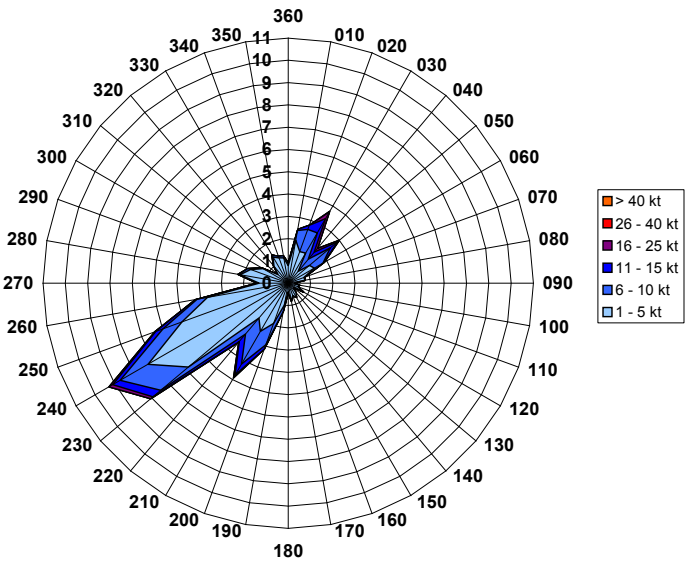
NA: 3.2 %
Calm: 18.2 %
Variable: 0.5 %

22 - 23 UTC



NA: 3.1 %
Calm: 20.6 %
Variable: 0.5 %

23 - 00 UTC



NA: 3.4 %
Calm: 22.5 %
Variable: 0.4 %

1.2. Wind Speed and Direction

1.2.1. Wind Speed and Direction 10 Years

Frequencies in percent of concurrent wind direction (in 30° sectors) and wind speed within specified ranges. Calm is for the wind speed with 0 kt. Variable is for the wind speed between 1 and 3 kt. Frequencies are calculated relative to all potentially possible minus the not available (NA) observations. The value of NA is calculated relative to the potentially possible observations. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomena were observed.

Example (dark shading): In the 10 years period 4.2% of all observations showed a wind speed between 1 and 5 knots with a concurrent wind direction between 350 and 010 degrees.

		Wind Speed (kt) 10 Years												
		0	**1 - 5**	**6 - 10**	**11 - 15**	**16 - 20**	**21 - 25**	**26 - 30**	**31 - 35**	**36 - 40**	**41- 45**	**46 - 50**	**> 50**	**NA**
Wind Direction	**Calm**	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
	Variable	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	4.2	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.6	3.9	1.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	8.4	4.2	1.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	4.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	4.9	4.9	1.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	10.5	5.0	2.3	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	5.9	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	3.6	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

1.2.2. Wind Speed and Direction per Season

Example (dark shading): In the 10 years period in winter 5.1% of all observations showed a wind speed between 1 and 5 knots with a concurrent wind direction between 350 and 010 degrees.

	Wind Speed (kt) Winter (Dec/Jan/Feb)													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	5.1	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.2	3.6	2.1	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	6.7	3.0	1.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	5.3	4.3	2.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	12.1	6.0	3.2	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	6.9	1.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	4.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) Spring (Mar/Apr/May)													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.4	4.6	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	8.6	5.7	2.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	5.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	4.5	5.6	1.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	9.6	5.3	2.8	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	4.9	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	2.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	2.8	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) Summer (Jun/Jul/Aug)													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
	Variable	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.9	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.9	3.3	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	10.1	4.9	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	6.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	4.6	4.9	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	8.5	4.4	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	5.5	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	3.3	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) Autumn (Sep/Oct/Nov)													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
	Variable	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	4.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.8	4.0	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	7.8	3.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	4.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	5.3	4.6	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	12.1	4.5	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	6.4	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	3.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

1.2.3. Wind Speed and Direction per Month

Example (dark shading): In the 10 years period in January 5.9% of all observations showed a wind speed between 1 and 5 knots with a concurrent wind direction between 350 and 010 degrees.

	Wind Speed (kt) January													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4
	Variable	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	5.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	6.2	2.7	1.7	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	7.8	2.4	1.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	1.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	4.9	3.5	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	12.3	5.0	2.8	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	7.5	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	4.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	5.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) February													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2
	Variable	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	4.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	4.8	3.4	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	6.5	3.8	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	3.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	5.2	6.1	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	10.7	7.0	3.4	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	5.6	1.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0	3.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) March													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	4.5	5.0	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	7.2	5.7	3.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	4.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	1.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	4.4	5.1	2.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	10.9	5.4	3.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	5.6	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	2.7	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	2.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) April													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
	Variable	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.3	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.0	4.5	1.9	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	8.4	6.3	2.7	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	4.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	4.1	6.1	2.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	9.6	5.6	2.9	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	4.6	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	2.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	2.7	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) May												
Wind Direction	0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Calm	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	3.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
020-030-040	0.0	6.7	4.4	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
050-060-070	0.0	10.2	5.1	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
080-090-100	0.0	6.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
110-120-130	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
140-150-160	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
170-180-190	0.0	2.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
200-210-220	0.0	4.9	5.5	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
230-240-250	0.0	8.4	4.8	2.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
260-270-280	0.0	4.5	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
290-300-310	0.0	2.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
320-330-340	0.0	3.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) June												
Wind Direction	0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Calm	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	4.2	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
020-030-040	0.0	6.1	3.7	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
050-060-070	0.0	10.3	5.3	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
080-090-100	0.0	5.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
110-120-130	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
140-150-160	0.0	1.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
170-180-190	0.0	2.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
200-210-220	0.0	4.5	5.3	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
230-240-250	0.0	7.6	4.6	1.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
260-270-280	0.0	5.0	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
290-300-310	0.0	2.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
320-330-340	0.0	3.5	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) July												
Wind Direction	0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Calm	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
Variable	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	3.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
020-030-040	0.0	5.6	3.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
050-060-070	0.0	9.8	5.0	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
080-090-100	0.0	6.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
110-120-130	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
140-150-160	0.0	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
170-180-190	0.0	2.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
200-210-220	0.0	4.8	5.5	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
230-240-250	0.0	8.2	4.6	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
260-270-280	0.0	5.2	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
290-300-310	0.0	3.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
320-330-340	0.0	3.2	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) August												
Wind Direction	0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Calm	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	3.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
020-030-040	0.0	6.1	3.3	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
050-060-070	0.0	10.2	4.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
080-090-100	0.0	6.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
110-120-130	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
140-150-160	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
170-180-190	0.0	2.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
200-210-220	0.0	4.5	3.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
230-240-250	0.0	9.7	4.0	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
260-270-280	0.0	6.2	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
290-300-310	0.0	3.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
320-330-340	0.0	3.3	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) September												
Wind Direction	0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Calm	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
Variable	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	3.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
020-030-040	0.0	5.3	3.9	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
050-060-070	0.0	8.8	4.3	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
080-090-100	0.0	5.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
110-120-130	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
140-150-160	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
170-180-190	0.0	2.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
200-210-220	0.0	5.3	5.2	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
230-240-250	0.0	11.9	4.4	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
260-270-280	0.0	5.9	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
290-300-310	0.0	2.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
320-330-340	0.0	3.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) October												
Wind Direction	0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Calm	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
Variable	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	4.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
020-030-040	0.0	6.0	3.5	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
050-060-070	0.0	8.6	3.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
080-090-100	0.0	5.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
110-120-130	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
140-150-160	0.0	2.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
170-180-190	0.0	2.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
200-210-220	0.0	5.3	4.4	1.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
230-240-250	0.0	11.2	4.1	1.9	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
260-270-280	0.0	5.6	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
290-300-310	0.0	3.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
320-330-340	0.0	3.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) November												
Wind Direction	0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Calm	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
Variable	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	5.9	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
020-030-040	0.0	5.9	5.4	2.7	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
050-060-070	0.0	6.5	1.9	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
080-090-100	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
110-120-130	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
140-150-160	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
170-180-190	0.0	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
200-210-220	0.0	5.1	4.1	1.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
230-240-250	0.0	13.2	5.0	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
260-270-280	0.0	7.5	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
290-300-310	0.0	3.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
320-330-340	0.0	4.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) December												
Wind Direction	0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Calm	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	5.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
020-030-040	0.0	4.7	4.6	2.2	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	
050-060-070	0.0	5.8	2.9	1.2	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	
080-090-100	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
110-120-130	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
140-150-160	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
170-180-190	0.0	2.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
200-210-220	0.0	5.7	3.8	2.6	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
230-240-250	0.0	13.0	6.1	3.4	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	
260-270-280	0.0	7.2	0.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
290-300-310	0.0	3.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
320-330-340	0.0	4.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

1.2.4. Wind Speed and Direction per Hour

Example (dark shading): In the 10 years period between 00 and 01 UTC 3.9% of all observations showed a wind speed between 1 and 5 knots with a concurrent wind direction between 350 and 010 degrees.

	Wind Speed (kt) 00 - 01 UTC													
Wind Direction		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
	Calm	23.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
	Variable	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.9	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	3.5	2.7	1.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	3.3	1.6	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	6.5	3.6	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	18.4	3.9	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	7.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	3.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 01 - 02 UTC													
Wind Direction		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
	Calm	23.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.8
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.3	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	3.9	2.1	1.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	3.1	1.8	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	6.1	3.6	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	19.4	3.3	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	8.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	2.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 02 - 03 UTC													
Wind Direction		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
	Calm	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
	Variable	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	3.5	2.1	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	3.4	1.9	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	6.1	3.7	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	19.3	3.2	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	8.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	3.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 03 - 04 UTC													
Wind Direction		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
	Calm	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	3.0	2.2	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	3.3	1.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	6.9	3.6	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	18.3	3.2	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	8.5	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	3.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 04 - 05 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	3.4	2.3	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	3.5	2.0	0.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	6.3	3.4	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	17.4	3.0	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	8.9	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	4.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	3.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 05 - 06 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	22.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
	Variable	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	4.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	4.2	2.1	1.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	4.9	2.2	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	2.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	6.0	3.0	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	15.0	3.5	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	9.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	4.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	4.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 06 - 07 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
	Variable	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	5.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.6	2.1	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	7.9	2.8	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	5.3	3.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	11.8	3.7	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	8.6	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	4.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	4.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 07 - 08 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
	Variable	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	4.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	6.3	2.4	1.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	10.9	4.2	1.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	4.9	4.4	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	10.9	4.5	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	6.8	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	4.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	4.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 08 - 09 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
	Variable	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.9	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.9	3.5	1.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	12.5	6.0	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	6.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	2.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	5.0	4.7	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	8.8	4.8	2.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	6.2	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	4.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 09 - 10 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
	Variable	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.9	4.2	1.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	12.8	7.6	2.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	8.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	4.5	5.5	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	7.4	5.1	2.5	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	4.6	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	3.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 10 - 11 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
	Variable	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.5	5.2	1.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	12.5	8.3	2.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	9.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	3.8	5.7	2.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	5.8	5.6	3.3	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	3.8	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	2.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	3.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 11 - 12 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
	Variable	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	2.8	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.5	5.6	1.2	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	12.6	8.3	2.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	9.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	3.9	6.4	2.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	4.8	6.5	3.4	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	3.4	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	2.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	2.7	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 12 - 13 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
	Variable	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	2.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.6	5.6	1.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	12.9	8.5	2.7	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	10.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	2.9	6.5	2.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	4.0	7.3	4.4	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	3.1	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	1.9	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	2.3	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 13 - 14 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
	Variable	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	2.6	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.6	5.6	1.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	11.7	8.3	2.8	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	10.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	1.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	3.0	6.9	2.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	3.8	7.2	4.9	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	2.7	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	2.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	2.2	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 14 - 15 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
	Variable	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	2.6	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	6.3	5.5	1.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	12.7	7.7	2.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	9.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	2.8	7.1	2.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	3.8	7.7	4.4	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	3.0	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	1.9	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	2.0	1.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 15 - 16 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	6.9	5.8	1.6	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	13.0	6.8	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	8.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	1.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	2.6	7.4	2.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	3.8	7.3	4.1	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	2.7	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	2.2	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	2.5	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 16 - 17 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
	Variable	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.7	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	8.3	5.5	1.9	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	13.3	5.3	2.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	5.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	3.2	6.2	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	3.8	6.8	3.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	3.4	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	2.4	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	3.5	2.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 17 - 18 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
	Variable	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	6.0	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	9.3	5.0	2.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	11.3	3.5	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	4.2	6.2	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	4.5	5.8	2.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	3.8	1.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	2.9	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	4.1	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 18 - 19 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	7.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	8.4	5.4	2.2	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	8.6	2.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	3.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	2.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	4.3	5.1	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	6.7	5.3	1.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	4.6	1.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.3	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	5.3	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 19 - 20 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3
	Variable	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	7.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	7.1	4.8	2.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	6.1	1.7	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	5.6	3.9	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	9.3	4.9	1.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	5.7	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	4.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 20 - 21 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	6.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	6.2	4.3	1.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	5.6	2.2	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	5.5	4.3	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	11.3	4.4	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	6.6	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	4.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 21 - 22 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
	Variable	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	5.8	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	5.2	3.6	1.6	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	5.0	1.9	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	2.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	2.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	5.7	3.6	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	14.2	4.1	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	7.4	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	3.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 22 - 23 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
	Variable	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	4.6	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	4.0	3.4	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	4.2	1.6	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	6.3	3.5	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	16.6	4.0	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	7.2	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	3.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) 23 - 00 UTC													
		0	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41- 45	46 - 50	> 50	NA
Wind Direction	Calm	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
	Variable	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	4.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	020-030-040	0.0	3.8	2.9	1.4	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	050-060-070	0.0	3.4	1.7	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	080-090-100	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	110-120-130	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	140-150-160	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	170-180-190	0.0	2.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	200-210-220	0.0	6.4	3.6	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	230-240-250	0.0	18.2	4.0	1.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	260-270-280	0.0	7.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	290-300-310	0.0	3.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	320-330-340	0.0	3.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

1.3. Cumulative Wind Speed and Direction

1.3.1. Cumulative Wind Speed and Direction 10 Years

Cumulative frequencies in percent of concurrent wind direction (in 30° sectors) and wind speed within specified ranges. Calm is for the wind speed with 0 kt. Variable is for the wind speed between 1 and 3 kt. Frequencies are calculated relative to all potentially possible minus the not available (NA) observations. The value of NA is calculated relative to the potentially possible observations. It indicates the reduction of the data base due to NA. Light grey shading denotes values where cumulative frequencies differ from each other.

Example (dark shading): In the 10 years period 5% of all observations showed a wind speed between 1 and 10 knots with a concurrent wind direction between 350 and 010 degrees.

		Wind Speed (kt) 10 Years												
		0	**1 - 5**	**1 - 10**	**1 - 15**	**1 - 20**	**1 - 25**	**1 - 30**	**1 - 35**	**1 - 40**	**1- 45**	**1 - 50**	**1-99**	**NA**
Wind Direction	**Calm**	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
	Variable	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	4.2	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	
	020-030-040	0.0	5.6	9.5	10.9	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	
	050-060-070	0.0	8.4	12.6	14.0	14.3	14.4	14.4	14.4	14.4	14.4	14.4	14.4	
	080-090-100	0.0	4.7	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	
	110-120-130	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
	140-150-160	0.0	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
	170-180-190	0.0	2.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	200-210-220	0.0	4.9	9.8	11.3	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	
	230-240-250	0.0	10.5	15.5	17.9	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	
	260-270-280	0.0	5.9	6.8	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	
	290-300-310	0.0	3.2	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	
	320-330-340	0.0	3.6	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	

1.3.2. Cumulative Wind Speed and Direction per Season

Example (dark shading): In the 10 years period in winter 6.1% of all observations showed a wind speed between 1 and 10 knots with a concurrent wind direction between 350 and 010 degrees.

	Wind Speed (kt) Winter (Dec/Jan/Feb)													
		0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Wind Direction	Calm	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	5.1	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	
	020-030-040	0.0	5.2	8.8	10.9	11.6	11.8	11.8	11.8	11.8	11.8	11.8	11.8	
	050-060-070	0.0	6.7	9.7	11.2	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	
	080-090-100	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	
	110-120-130	0.0	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
	140-150-160	0.0	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
	170-180-190	0.0	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	200-210-220	0.0	5.3	9.6	11.7	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.2	
	230-240-250	0.0	12.1	18.1	21.3	22.1	22.2	22.2	22.2	22.2	22.2	22.2	22.2	
	260-270-280	0.0	6.9	7.9	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	
	290-300-310	0.0	3.8	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	
	320-330-340	0.0	4.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	

	Wind Speed (kt) Spring (Mar/Apr/May)													
		0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Wind Direction	Calm	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.5	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
	020-030-040	0.0	5.4	10.0	11.7	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	
	050-060-070	0.0	8.6	14.3	16.6	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	
	080-090-100	0.0	5.0	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	
	110-120-130	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
	140-150-160	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
	170-180-190	0.0	2.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	200-210-220	0.0	4.5	10.0	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	
	230-240-250	0.0	9.6	14.9	17.6	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	
	260-270-280	0.0	4.9	5.8	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	
	290-300-310	0.0	2.6	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	
	320-330-340	0.0	2.8	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	

	Wind Speed (kt) Summer (Jun/Jul/Aug)													
		0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Wind Direction	Calm	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
	Variable	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.9	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	
	020-030-040	0.0	5.9	9.3	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	
	050-060-070	0.0	10.1	15.0	16.2	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	
	080-090-100	0.0	6.3	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	
	110-120-130	0.0	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	
	140-150-160	0.0	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
	170-180-190	0.0	2.3	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	
	200-210-220	0.0	4.6	9.5	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	
	230-240-250	0.0	8.5	12.9	14.6	14.8	14.9	14.9	14.9	14.9	14.9	14.9	14.9	
	260-270-280	0.0	5.5	6.5	6.6	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	
	290-300-310	0.0	3.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	
	320-330-340	0.0	3.3	4.4	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	

	Wind Speed (kt) Autumn (Sep/Oct/Nov)													
		0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Wind Direction	Calm	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
	Variable	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	4.6	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
	020-030-040	0.0	5.8	9.8	11.1	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	
	050-060-070	0.0	7.8	10.9	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	
	080-090-100	0.0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	
	110-120-130	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
	140-150-160	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
	170-180-190	0.0	2.2	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	200-210-220	0.0	5.3	9.9	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	
	230-240-250	0.0	12.1	16.6	18.3	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	
	260-270-280	0.0	6.4	7.2	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	
	290-300-310	0.0	3.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	
	320-330-340	0.0	3.7	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	

1.3.3. Cumulative Wind Speed and Direction per Month

Example (dark shading): In the 10 years period in January 6.6% of all observations showed a wind speed between 1 and 10 knots with a concurrent wind direction between 350 and 010 degrees.

	Wind Speed (kt) January												
		0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Wind Direction	Calm	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4
	Variable	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	5.9	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	
	020-030-040	0.0	6.2	8.8	10.5	11.0	11.3	11.3	11.3	11.3	11.3	11.3	11.3	
	050-060-070	0.0	7.8	10.3	11.7	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	
	080-090-100	0.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	
	110-120-130	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
	140-150-160	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	170-180-190	0.0	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
	200-210-220	0.0	4.9	8.3	9.6	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	
	230-240-250	0.0	12.3	17.3	20.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	
	260-270-280	0.0	7.5	8.4	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	
	290-300-310	0.0	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	
	320-330-340	0.0	5.6	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	

	Wind Speed (kt) February												
		0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Wind Direction	Calm	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2
	Variable	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	4.3	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	
	020-030-040	0.0	4.8	8.2	10.5	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	
	050-060-070	0.0	6.5	10.3	12.2	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	
	080-090-100	0.0	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	
	110-120-130	0.0	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
	140-150-160	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	170-180-190	0.0	2.1	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	
	200-210-220	0.0	5.2	11.3	13.5	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	
	230-240-250	0.0	10.7	17.7	21.1	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	
	260-270-280	0.0	5.6	7.0	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	
	290-300-310	0.0	3.1	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	
	320-330-340	0.0	3.9	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	

	Wind Speed (kt) March												
		0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Wind Direction	Calm	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.1	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	
	020-030-040	0.0	4.5	9.5	11.8	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	
	050-060-070	0.0	7.2	12.9	16.3	16.8	16.9	16.9	16.9	16.9	16.9	16.9	16.9	
	080-090-100	0.0	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	
	110-120-130	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
	140-150-160	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
	170-180-190	0.0	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	
	200-210-220	0.0	4.4	9.4	11.8	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	
	230-240-250	0.0	10.9	16.3	19.4	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.1	
	260-270-280	0.0	5.6	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	
	290-300-310	0.0	2.7	3.2	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	
	320-330-340	0.0	2.7	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	

	Wind Speed (kt) April												
		0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Wind Direction	Calm	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
	Variable	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	350-360-010	0.0	3.3	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	
	020-030-040	0.0	5.0	9.4	11.3	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	
	050-060-070	0.0	8.4	14.7	17.3	18.1	18.2	18.2	18.2	18.2	18.2	18.2	18.2	
	080-090-100	0.0	4.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
	110-120-130	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
	140-150-160	0.0	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
	170-180-190	0.0	2.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
	200-210-220	0.0	4.1	10.3	12.2	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	
	230-240-250	0.0	9.6	15.2	18.1	18.9	19.0	19.0	19.0	19.0	19.0	19.0	19.0	
	260-270-280	0.0	4.6	5.6	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	
	290-300-310	0.0	2.6	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	
	320-330-340	0.0	2.7	3.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	

	Wind Speed (kt) May												
Wind Direction	0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Calm	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	3.9	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	
020-030-040	0.0	6.7	11.1	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	
050-060-070	0.0	10.2	15.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	
080-090-100	0.0	6.0	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	
110-120-130	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
140-150-160	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
170-180-190	0.0	2.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
200-210-220	0.0	4.9	10.3	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	
230-240-250	0.0	8.4	13.2	15.4	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.0	
260-270-280	0.0	4.5	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	
290-300-310	0.0	2.5	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
320-330-340	0.0	3.0	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	

	Wind Speed (kt) June												
Wind Direction	0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Calm	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	4.2	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	
020-030-040	0.0	6.1	9.8	10.6	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	
050-060-070	0.0	10.3	15.6	17.2	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	
080-090-100	0.0	5.9	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	
110-120-130	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
140-150-160	0.0	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
170-180-190	0.0	2.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
200-210-220	0.0	4.5	9.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	
230-240-250	0.0	7.6	12.2	13.9	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	
260-270-280	0.0	5.0	6.0	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	
290-300-310	0.0	2.7	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	
320-330-340	0.0	3.5	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	

	Wind Speed (kt) July												
Wind Direction	0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Calm	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
Variable	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	3.8	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	
020-030-040	0.0	5.6	8.7	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	
050-060-070	0.0	9.8	14.8	16.0	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	
080-090-100	0.0	6.5	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	
110-120-130	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	
140-150-160	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
170-180-190	0.0	2.5	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	
200-210-220	0.0	4.8	10.2	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	
230-240-250	0.0	8.2	12.7	15.0	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	
260-270-280	0.0	5.2	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	
290-300-310	0.0	3.0	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	
320-330-340	0.0	3.2	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	

	Wind Speed (kt) August												
Wind Direction	0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Calm	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	3.7	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
020-030-040	0.0	6.1	9.4	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	
050-060-070	0.0	10.2	14.7	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	
080-090-100	0.0	6.6	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	
110-120-130	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
140-150-160	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
170-180-190	0.0	2.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
200-210-220	0.0	4.5	8.4	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	
230-240-250	0.0	9.7	13.6	14.9	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	
260-270-280	0.0	6.2	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	
290-300-310	0.0	3.3	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	
320-330-340	0.0	3.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	

	Wind Speed (kt) September												
Wind Direction	0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Calm	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
Variable	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	3.6	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	
020-030-040	0.0	5.3	9.2	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	
050-060-070	0.0	8.8	13.0	14.2	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	
080-090-100	0.0	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	
110-120-130	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	
140-150-160	0.0	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
170-180-190	0.0	2.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	
200-210-220	0.0	5.3	10.6	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	
230-240-250	0.0	11.9	16.3	18.0	18.2	18.3	18.3	18.3	18.3	18.3	18.3	18.3	
260-270-280	0.0	5.9	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	
290-300-310	0.0	2.9	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	
320-330-340	0.0	3.0	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	

	Wind Speed (kt) October												
Wind Direction	0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Calm	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
Variable	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	4.4	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	
020-030-040	0.0	6.0	9.4	10.2	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	
050-060-070	0.0	8.6	11.7	12.3	12.3	12.4	12.4	12.4	12.4	12.4	12.4	12.4	
080-090-100	0.0	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
110-120-130	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	
140-150-160	0.0	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
170-180-190	0.0	2.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
200-210-220	0.0	5.3	9.6	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	
230-240-250	0.0	11.2	15.2	17.2	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	
260-270-280	0.0	5.6	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	
290-300-310	0.0	3.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	
320-330-340	0.0	3.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	

	Wind Speed (kt) November												
Wind Direction	0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Calm	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
Variable	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	5.9	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	
020-030-040	0.0	6.1	10.9	13.2	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	
050-060-070	0.0	6.1	7.8	8.7	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	
080-090-100	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	
110-120-130	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
140-150-160	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
170-180-190	0.0	2.2	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
200-210-220	0.0	5.3	9.4	11.0	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	
230-240-250	0.0	13.4	18.4	19.8	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	
260-270-280	0.0	7.6	8.4	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	
290-300-310	0.0	3.9	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	
320-330-340	0.0	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	

	Wind Speed (kt) December												
Wind Direction	0	1 - 5	1 - 10	1 - 15	1 - 20	1 - 25	1 - 30	1 - 35	1 - 40	1- 45	1 - 50	1-99	NA
Calm	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
350-360-010	0.0	5.0	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	
020-030-040	0.0	4.7	9.2	11.5	12.3	12.6	12.7	12.7	12.7	12.7	12.7	12.7	
050-060-070	0.0	5.8	8.8	10.0	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	
080-090-100	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
110-120-130	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
140-150-160	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
170-180-190	0.0	2.3	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	
200-210-220	0.0	5.7	9.6	12.2	12.8	13.0	13.0	13.0	13.0	13.0	13.0	13.0	
230-240-250	0.0	13.0	19.2	22.5	23.4	23.5	23.6	23.6	23.6	23.6	23.6	23.6	
260-270-280	0.0	7.2	8.2	8.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	
290-300-310	0.0	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
320-330-340	0.0	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	

1.4. Wind RWY 23 (05)

1.4.1. Wind RWY 23 (05) 10 Years

Frequencies in percent of the concurrent wind speed and wind direction relative to runway 23 (headwind, tailwind, left and right crosswind). Calm is for the wind speed with 0 kt. Variable is for the wind speed between 1 and 3 kt. Frequencies are calculated relative to all potentially possible minus the not available (NA) observations. The value of NA is calculated relative to the potentially possible observations. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomena were observed.

Example (dark shading): In the 10 years period 30.7% of all observations showed a headwind relative to runway 23 (tailwind relative to runway 05) with a wind speed between 0 and 5 knots (0 < X ≤ 5).

	Wind Speed (kt) 10 Years													
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2
	Variable	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	30.7	11.1	3.9	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	28.8	8.7	2.9	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	40.9	2.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	36.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

1.4.2. Wind RWY 23 (05) per Season

Example (dark shading): In the 10 years period in winter 34.2% of all observations showed a headwind relative to runway 23 (tailwind relative to runway 05) with a wind speed between 0 and 5 knots (0 < X ≤ 5).

	Wind Speed (kt) Winter (Dec/Jan/Feb)													
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	34.2	11.8	5.3	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	25.5	7.4	3.5	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	47.0	2.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	31.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) Spring (Mar/Apr/May)													
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	27.4	12.2	4.7	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	27.5	10.8	4.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	38.1	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	40.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) Summer (Jun/Jul/Aug)													
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
	Variable	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	28.3	10.4	2.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	33.2	8.8	2.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	36.6	2.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	40.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) Autumn (Sep/Oct/Nov)													
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
	Variable	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	33.3	10.2	3.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	28.8	7.6	2.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	42.8	1.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	34.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

1.4.3. Wind RWY 23 (05) per Month

Example (dark shading): In the 10 years period in January 35% of all observations showed a headwind relative to runway 23 (tailwind relative to runway 05) with a wind speed between 0 and 5 knots (0 < X ≤ 5).

	Wind Speed (kt) January													
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4
	Variable	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	35.0	9.6	4.2	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	29.5	5.6	3.1	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	48.7	2.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	30.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) February													
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2
	Variable	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	30.7	15.1	5.7	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	24.3	7.9	4.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	42.5	2.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	35.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) March													
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	28.9	11.8	5.6	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	24.5	11.2	5.7	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	39.6	2.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	39.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) April													
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
	Variable	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	27.2	13.3	4.9	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	25.9	11.3	4.5	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	37.5	2.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	41.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) May													
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	26.2	11.5	3.5	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	32.2	9.8	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	37.2	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	40.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) June													
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	26.3	11.2	2.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	33.4	9.5	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	36.5	2.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	41.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) July													
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
	Variable	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	28.4	11.4	3.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	32.5	8.5	1.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	35.7	2.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	41.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) August												
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	30.0	8.8	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	33.6	8.2	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	37.6	2.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	38.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) September												
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
	Variable	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	31.9	10.8	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	29.0	8.5	1.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	38.6	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	38.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) October												
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
	Variable	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	31.8	9.7	3.6	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	30.1	7.0	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	40.0	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	36.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) November												
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
	Variable	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	36.1	10.2	3.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	27.3	7.5	3.1	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	49.8	2.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	28.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

	Wind Speed (kt) December													
Wind Direction		0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	> 50	NA
	Calm	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
	Variable	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Headwind	0.0	36.0	11.3	6.1	1.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	
	Tailwind	0.0	22.7	8.5	3.4	1.4	0.5	0.1	0.0	0.0	0.0	0.0	0.0	
	Right Crosswind	0.0	48.7	2.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Left Crosswind	0.0	30.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

2.1. Wind Gusts

2.1.1. Wind Gusts 10 Years

Frequencies in per mil of concurrent wind direction (in 10° sectors) and wind gust speed within specified ranges. Frequencies are calculated relative to all potentially possible minus the not available (NA) observations. The value of NA is calculated relative to the potentially possible observations. It indicates the reduction of the data base due to NA (also in per mil). Light grey shading denotes values where the phenomena were observed.

Example (dark shading): In the 10 years period 4.51‰ of all observations showed a wind gust between 21 and 25 knots with a concurrent wind direction of 050 degrees.

	Wind Speed (kt) 10 Years								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.02	0.01	0.00	0.01	0.00	0.00	
	010	0.00	0.02	0.04	0.01	0.01	0.00	0.00	
	020	0.01	0.07	0.16	0.10	0.03	0.00	0.00	
	030	0.00	0.34	1.65	1.45	0.55	0.02	0.00	
	040	0.01	0.34	1.79	1.99	0.75	0.04	0.00	
	050	0.01	0.99	4.51	2.59	1.18	0.07	0.00	
	060	0.02	0.54	0.87	0.28	0.04	0.00	0.00	
	070	0.00	0.04	0.02	0.01	0.02	0.00	0.00	
	080	0.00	0.01	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.01	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.01	0.00	0.00	0.00	0.00	0.00	
	140	0.01	0.02	0.01	0.00	0.00	0.00	0.00	
	150	0.00	0.02	0.01	0.00	0.00	0.00	0.00	
	160	0.01	0.00	0.01	0.01	0.00	0.00	0.00	
	170	0.00	0.01	0.02	0.01	0.00	0.00	0.00	
	180	0.00	0.02	0.01	0.00	0.00	0.00	0.00	51.6
	190	0.01	0.10	0.07	0.01	0.00	0.00	0.00	
	200	0.02	0.50	0.72	0.17	0.02	0.01	0.00	
	210	0.02	0.79	2.17	0.91	0.20	0.07	0.00	
	220	0.01	0.21	0.98	0.61	0.16	0.04	0.01	
	230	0.01	0.24	0.91	0.76	0.34	0.03	0.00	
	240	0.01	0.19	0.46	0.45	0.19	0.02	0.00	
	250	0.00	0.11	0.25	0.15	0.08	0.02	0.00	
	260	0.00	0.08	0.17	0.08	0.03	0.02	0.00	
	270	0.01	0.05	0.10	0.05	0.02	0.01	0.00	
	280	0.01	0.07	0.07	0.10	0.02	0.01	0.00	
	290	0.01	0.11	0.07	0.01	0.01	0.00	0.00	
	300	0.00	0.04	0.06	0.09	0.01	0.00	0.00	
	310	0.00	0.08	0.02	0.01	0.01	0.00	0.00	
	320	0.01	0.08	0.10	0.02	0.00	0.00	0.00	
	330	0.02	0.10	0.10	0.02	0.01	0.00	0.00	
	340	0.01	0.05	0.03	0.01	0.01	0.00	0.00	
	350	0.00	0.07	0.04	0.01	0.00	0.00	0.00	

2.1.2. Maximum Wind Gust in 10 Years

On the 26th of December 1999 at 0850 UTC a wind gust of 62 kt was measured. This extreme value was caused by the gale Lothar.

2.1.3. Wind Gusts per Season

Example (dark shading): In the 10 years period in winter 4.75‰ of all observations showed a wind gust between 21 and 25 knots with a concurrent wind direction of 050 degrees.

	Wind Speed (kt) Winter (Dec/Jan/Feb)								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.05	0.00	0.00	0.00	0.00	0.00	
	010	0.00	0.00	0.11	0.03	0.00	0.00	0.00	
	020	0.00	0.11	0.26	0.18	0.13	0.00	0.00	
	030	0.00	0.47	2.59	2.77	1.82	0.11	0.00	
	040	0.00	0.26	2.30	2.51	1.50	0.13	0.00	
	050	0.00	1.19	4.75	3.24	1.98	0.26	0.00	
	060	0.05	0.58	1.11	0.61	0.05	0.00	0.00	
	070	0.00	0.08	0.00	0.00	0.03	0.00	0.00	
	080	0.00	0.05	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.03	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.03	0.00	0.00	0.00	
	170	0.00	0.03	0.05	0.03	0.00	0.00	0.00	125
	180	0.00	0.03	0.00	0.00	0.00	0.00	0.00	
	190	0.00	0.18	0.05	0.03	0.00	0.00	0.00	
	200	0.00	0.42	0.92	0.16	0.05	0.00	0.00	
	210	0.03	0.63	2.40	1.85	0.53	0.26	0.00	
	220	0.03	0.16	1.19	1.35	0.42	0.16	0.03	
	230	0.00	0.03	1.06	0.95	0.45	0.08	0.00	
	240	0.03	0.08	0.45	0.66	0.37	0.05	0.00	
	250	0.00	0.13	0.29	0.16	0.26	0.08	0.00	
	260	0.00	0.13	0.26	0.18	0.11	0.05	0.00	
	270	0.00	0.08	0.13	0.05	0.05	0.03	0.00	
	280	0.00	0.16	0.13	0.18	0.03	0.03	0.00	
	290	0.03	0.08	0.05	0.00	0.03	0.00	0.00	
	300	0.00	0.05	0.03	0.16	0.03	0.00	0.00	
	310	0.00	0.05	0.00	0.00	0.03	0.00	0.00	
	320	0.00	0.08	0.03	0.05	0.00	0.00	0.00	
	330	0.00	0.03	0.11	0.00	0.00	0.00	0.00	
	340	0.00	0.00	0.03	0.00	0.00	0.00	0.00	
	350	0.00	0.05	0.00	0.00	0.00	0.00	0.00	

	Wind Speed (kt) Spring (Mar/Apr/May)								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.00	0.02	0.00	0.02	0.00	0.00	
	010	0.00	0.02	0.02	0.02	0.02	0.00	0.00	
	020	0.00	0.07	0.19	0.12	0.00	0.00	0.00	
	030	0.00	0.30	1.45	1.17	0.09	0.00	0.00	
	040	0.00	0.44	2.05	2.66	0.63	0.00	0.00	
	050	0.00	1.24	5.43	3.61	1.49	0.00	0.00	
	060	0.00	0.58	1.12	0.30	0.09	0.00	0.00	
	070	0.00	0.02	0.02	0.02	0.05	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.02	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.6
	180	0.00	0.02	0.02	0.00	0.00	0.00	0.00	
	190	0.00	0.09	0.07	0.00	0.00	0.00	0.00	
	200	0.00	0.56	1.03	0.14	0.02	0.00	0.00	
	210	0.00	0.91	2.47	0.82	0.12	0.02	0.00	
	220	0.00	0.16	1.05	0.56	0.07	0.00	0.00	
	230	0.00	0.40	0.77	1.14	0.44	0.05	0.00	
	240	0.00	0.35	0.58	0.51	0.19	0.00	0.00	
	250	0.00	0.09	0.33	0.26	0.02	0.00	0.00	
	260	0.00	0.05	0.14	0.00	0.02	0.00	0.00	
	270	0.00	0.05	0.14	0.02	0.00	0.00	0.00	
	280	0.00	0.02	0.09	0.19	0.02	0.00	0.00	
	290	0.00	0.09	0.09	0.02	0.02	0.00	0.00	
	300	0.00	0.05	0.07	0.09	0.00	0.00	0.00	
	310	0.00	0.02	0.00	0.02	0.00	0.00	0.00	
	320	0.00	0.05	0.12	0.05	0.00	0.00	0.00	
	330	0.02	0.12	0.02	0.00	0.00	0.00	0.00	
	340	0.00	0.07	0.05	0.00	0.00	0.00	0.00	
	350	0.00	0.02	0.02	0.00	0.00	0.00	0.00	

	Wind Speed (kt) Summer (Jun/Jul/Aug)								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.02	0.00	0.00	0.00	0.00	0.00	
	010	0.00	0.07	0.02	0.00	0.02	0.00	0.00	
	020	0.00	0.02	0.07	0.00	0.00	0.00	0.00	
	030	0.00	0.26	0.65	0.47	0.09	0.00	0.00	
	040	0.02	0.23	1.16	0.95	0.19	0.00	0.00	
	050	0.02	0.95	3.98	1.81	0.72	0.00	0.00	
	060	0.02	0.63	0.60	0.21	0.02	0.00	0.00	
	070	0.00	0.02	0.05	0.00	0.00	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.02	0.02	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.02	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.05	0.00	0.00	0.00	0.00	0.00	
	140	0.02	0.02	0.02	0.00	0.00	0.00	0.00	
	150	0.00	0.07	0.02	0.00	0.00	0.00	0.00	
	160	0.02	0.00	0.02	0.00	0.00	0.00	0.00	
	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.7
	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	190	0.02	0.02	0.05	0.00	0.00	0.00	0.00	
	200	0.05	0.42	0.19	0.05	0.00	0.02	0.00	
	210	0.02	0.63	1.02	0.30	0.02	0.00	0.00	
	220	0.00	0.30	0.58	0.21	0.14	0.00	0.00	
	230	0.00	0.33	1.21	0.28	0.26	0.00	0.00	
	240	0.02	0.21	0.49	0.33	0.05	0.02	0.00	
	250	0.00	0.14	0.16	0.09	0.02	0.02	0.00	
	260	0.00	0.14	0.12	0.07	0.00	0.02	0.00	
	270	0.05	0.07	0.09	0.05	0.05	0.00	0.00	
	280	0.02	0.07	0.05	0.00	0.00	0.02	0.00	
	290	0.02	0.19	0.07	0.02	0.00	0.00	0.00	
	300	0.00	0.05	0.12	0.05	0.00	0.00	0.00	
	310	0.00	0.16	0.02	0.00	0.02	0.00	0.00	
	320	0.02	0.14	0.26	0.00	0.00	0.00	0.00	
	330	0.00	0.23	0.23	0.05	0.02	0.00	0.00	
	340	0.02	0.14	0.05	0.00	0.02	0.00	0.00	
	350	0.00	0.19	0.07	0.02	0.00	0.00	0.00	

	Wind Speed (kt) Autumn (Sep/Oct/Nov)								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	010	0.00	0.00	0.02	0.00	0.00	0.00	0.00	
	020	0.02	0.07	0.14	0.12	0.00	0.00	0.00	
	030	0.00	0.33	2.03	1.55	0.33	0.00	0.00	
	040	0.00	0.40	1.70	1.88	0.75	0.02	0.00	
	050	0.00	0.59	3.89	1.74	0.61	0.02	0.00	
	060	0.02	0.35	0.68	0.05	0.00	0.00	0.00	
	070	0.00	0.02	0.00	0.02	0.00	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.02	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	170	0.00	0.02	0.02	0.00	0.00	0.00	0.00	28.0
	180	0.00	0.02	0.02	0.00	0.00	0.00	0.00	
	190	0.00	0.12	0.12	0.02	0.00	0.00	0.00	
	200	0.02	0.59	0.78	0.33	0.02	0.00	0.00	
	210	0.02	0.99	2.80	0.78	0.16	0.00	0.00	
	220	0.00	0.21	1.13	0.42	0.02	0.00	0.00	
	230	0.02	0.19	0.64	0.71	0.24	0.00	0.00	
	240	0.00	0.09	0.33	0.31	0.16	0.00	0.00	
	250	0.00	0.09	0.21	0.09	0.02	0.00	0.00	
	260	0.00	0.02	0.16	0.09	0.00	0.00	0.00	
	270	0.00	0.00	0.02	0.07	0.00	0.00	0.00	
	280	0.00	0.05	0.02	0.05	0.02	0.00	0.00	
	290	0.00	0.07	0.05	0.00	0.00	0.00	0.00	
	300	0.00	0.02	0.02	0.07	0.02	0.00	0.00	
	310	0.00	0.07	0.05	0.00	0.00	0.00	0.00	
	320	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	330	0.05	0.02	0.02	0.02	0.00	0.00	0.00	
	340	0.00	0.00	0.00	0.02	0.00	0.00	0.00	
	350	0.00	0.00	0.07	0.00	0.00	0.00	0.00	

2.1.4. Wind Gusts per Month

Example (dark shading): In the 10 years period in January 5.2‰ of all observations showed a wind gust speed between 21 and 25 knots with a concurrent wind direction of 050 degrees.

	Wind Speed (kt) January								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.08	0.00	0.00	0.00	0.00	0.00	
	010	0.00	0.00	0.08	0.00	0.00	0.00	0.00	
	020	0.00	0.08	0.54	0.16	0.16	0.00	0.00	
	030	0.00	0.31	2.17	1.86	2.64	0.08	0.00	
	040	0.00	0.08	2.56	1.86	1.01	0.16	0.00	
	050	0.00	1.16	5.20	2.87	0.39	0.00	0.00	
	060	0.00	0.47	1.01	0.54	0.00	0.00	0.00	
	070	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.08	0.00	0.00	0.00	
	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	134
	190	0.00	0.16	0.00	0.00	0.00	0.00	0.00	
	200	0.00	0.16	0.54	0.08	0.00	0.00	0.00	
	210	0.00	0.16	0.85	0.62	0.16	0.00	0.00	
	220	0.00	0.08	0.47	0.31	0.08	0.08	0.00	
	230	0.00	0.00	0.23	0.31	0.08	0.08	0.00	
	240	0.00	0.16	0.39	0.31	0.31	0.00	0.00	
	250	0.00	0.00	0.16	0.08	0.23	0.00	0.00	
	260	0.00	0.08	0.16	0.00	0.00	0.08	0.00	
	270	0.00	0.08	0.16	0.08	0.00	0.00	0.00	
	280	0.00	0.08	0.08	0.00	0.00	0.08	0.00	
	290	0.08	0.08	0.08	0.00	0.00	0.00	0.00	
	300	0.00	0.16	0.00	0.08	0.08	0.00	0.00	
	310	0.00	0.08	0.00	0.00	0.08	0.00	0.00	
	320	0.00	0.16	0.08	0.16	0.00	0.00	0.00	
	330	0.00	0.08	0.16	0.00	0.00	0.00	0.00	
	340	0.00	0.00	0.08	0.00	0.00	0.00	0.00	
	350	0.00	0.08	0.00	0.00	0.00	0.00	0.00	

	Wind Speed (kt) February								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.10	0.00	0.00	0.00	0.00	0.00	
	010	0.00	0.00	0.29	0.10	0.00	0.00	0.00	
	020	0.00	0.19	0.10	0.00	0.00	0.00	0.00	
	030	0.00	0.38	1.43	2.09	0.29	0.00	0.00	
	040	0.00	0.57	2.19	2.95	0.67	0.00	0.00	
	050	0.00	1.71	4.66	3.33	1.62	0.00	0.00	
	060	0.10	0.86	1.71	0.95	0.10	0.00	0.00	
	070	0.00	0.29	0.00	0.00	0.10	0.00	0.00	
	080	0.00	0.19	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.10	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	170	0.00	0.10	0.00	0.10	0.00	0.00	0.00	
	180	0.00	0.10	0.00	0.00	0.00	0.00	0.00	222
	190	0.00	0.19	0.10	0.00	0.00	0.00	0.00	
	200	0.00	0.76	1.24	0.00	0.00	0.00	0.00	
	210	0.00	0.95	1.90	2.09	0.00	0.00	0.00	
	220	0.10	0.48	1.71	1.33	0.19	0.00	0.00	
	230	0.00	0.10	1.62	1.05	0.19	0.00	0.00	
	240	0.00	0.00	0.57	0.57	0.10	0.00	0.00	
	250	0.00	0.38	0.38	0.10	0.19	0.00	0.00	
	260	0.00	0.29	0.29	0.00	0.19	0.00	0.00	
	270	0.00	0.19	0.10	0.10	0.10	0.00	0.00	
	280	0.00	0.48	0.19	0.57	0.10	0.00	0.00	
	290	0.00	0.10	0.10	0.00	0.10	0.00	0.00	
	300	0.00	0.00	0.10	0.38	0.00	0.00	0.00	
	310	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	320	0.00	0.10	0.00	0.00	0.00	0.00	0.00	
	330	0.00	0.00	0.19	0.00	0.00	0.00	0.00	
	340	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	350	0.00	0.10	0.00	0.00	0.00	0.00	0.00	

Wind Direction	Wind Speed (kt) March								
		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.00	0.00	0.00	0.07	0.00	0.00	
	010	0.00	0.00	0.07	0.07	0.07	0.00	0.00	
	020	0.00	0.21	0.21	0.28	0.00	0.00	0.00	
	030	0.00	0.28	1.94	1.87	0.21	0.00	0.00	
	040	0.00	0.62	1.87	2.63	0.76	0.00	0.00	
	050	0.00	1.25	6.92	3.80	1.25	0.00	0.00	
	060	0.00	0.83	1.45	0.48	0.07	0.00	0.00	
	070	0.00	0.00	0.00	0.07	0.00	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.4
	190	0.00	0.07	0.07	0.00	0.00	0.00	0.00	
	200	0.00	0.55	1.04	0.14	0.00	0.00	0.00	
	210	0.00	1.18	3.39	0.48	0.14	0.00	0.00	
	220	0.00	0.21	0.90	0.62	0.14	0.00	0.00	
	230	0.00	0.28	0.97	0.90	0.48	0.00	0.00	
	240	0.00	0.21	0.42	0.62	0.21	0.00	0.00	
	250	0.00	0.07	0.28	0.07	0.07	0.00	0.00	
	260	0.00	0.00	0.14	0.00	0.00	0.00	0.00	
	270	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	280	0.00	0.00	0.21	0.14	0.00	0.00	0.00	
	290	0.00	0.07	0.07	0.07	0.07	0.00	0.00	
	300	0.00	0.00	0.07	0.21	0.00	0.00	0.00	
	310	0.00	0.07	0.00	0.07	0.00	0.00	0.00	
	320	0.00	0.07	0.35	0.07	0.00	0.00	0.00	
	330	0.07	0.07	0.00	0.00	0.00	0.00	0.00	
	340	0.00	0.07	0.07	0.00	0.00	0.00	0.00	
	350	0.00	0.07	0.07	0.00	0.00	0.00	0.00	

Wind Direction	Wind Speed (kt) April								
		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.00	0.07	0.00	0.00	0.00	0.00	
	010	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	020	0.00	0.00	0.22	0.00	0.00	0.00	0.00	
	030	0.00	0.36	1.94	0.79	0.00	0.00	0.00	
	040	0.00	0.43	2.73	3.80	1.15	0.00	0.00	
	050	0.00	1.87	7.10	5.88	3.30	0.00	0.00	
	060	0.00	0.86	1.94	0.43	0.22	0.00	0.00	
	070	0.00	0.00	0.07	0.00	0.14	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	180	0.00	0.07	0.07	0.00	0.00	0.00	0.00	32.4
	190	0.00	0.22	0.14	0.00	0.00	0.00	0.00	
	200	0.00	0.57	1.22	0.22	0.07	0.00	0.00	
	210	0.00	1.00	2.37	1.15	0.07	0.07	0.00	
	220	0.00	0.22	1.15	0.65	0.07	0.00	0.00	
	230	0.00	0.36	0.79	1.58	0.57	0.14	0.00	
	240	0.00	0.14	0.57	0.36	0.00	0.00	0.00	
	250	0.00	0.07	0.29	0.50	0.00	0.00	0.00	
	260	0.00	0.07	0.29	0.00	0.07	0.00	0.00	
	270	0.00	0.07	0.29	0.00	0.00	0.00	0.00	
	280	0.00	0.07	0.00	0.22	0.07	0.00	0.00	
	290	0.00	0.07	0.14	0.00	0.00	0.00	0.00	
	300	0.00	0.00	0.07	0.07	0.00	0.00	0.00	
	310	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	320	0.00	0.07	0.00	0.07	0.00	0.00	0.00	
	330	0.00	0.22	0.07	0.00	0.00	0.00	0.00	
	340	0.00	0.14	0.07	0.00	0.00	0.00	0.00	
	350	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

	Wind Speed (kt) May								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	020	0.00	0.00	0.14	0.07	0.00	0.00	0.00	
	030	0.00	0.28	0.48	0.83	0.07	0.00	0.00	
	040	0.00	0.28	1.59	1.59	0.00	0.00	0.00	
	050	0.00	0.62	2.34	1.24	0.00	0.00	0.00	
	060	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	070	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.1
	190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	200	0.00	0.55	0.83	0.07	0.00	0.00	0.00	
	210	0.00	0.55	1.65	0.83	0.14	0.00	0.00	
	220	0.00	0.07	1.10	0.41	0.00	0.00	0.00	
	230	0.00	0.55	0.55	0.97	0.28	0.00	0.00	
	240	0.00	0.69	0.76	0.55	0.34	0.00	0.00	
	250	0.00	0.14	0.41	0.21	0.00	0.00	0.00	
	260	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	270	0.00	0.00	0.14	0.07	0.00	0.00	0.00	
	280	0.00	0.00	0.07	0.21	0.00	0.00	0.00	
	290	0.00	0.14	0.07	0.00	0.00	0.00	0.00	
	300	0.00	0.14	0.07	0.00	0.00	0.00	0.00	
	310	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	320	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	330	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	340	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	350	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

	Wind Speed (kt) June								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	020	0.00	0.00	0.07	0.00	0.00	0.00	0.00	
	030	0.00	0.21	0.78	0.43	0.07	0.00	0.00	
	040	0.00	0.36	1.50	1.71	0.36	0.00	0.00	
	050	0.07	1.35	4.78	2.64	1.57	0.00	0.00	
	060	0.07	1.14	0.78	0.29	0.00	0.00	0.00	
	070	0.00	0.00	0.14	0.00	0.00	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.07	0.07	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.07	0.07	0.00	0.00	0.00	0.00	
	160	0.07	0.00	0.07	0.00	0.00	0.00	0.00	
	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.7
	190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	200	0.14	0.43	0.14	0.00	0.00	0.00	0.00	
	210	0.00	0.71	1.14	0.43	0.00	0.00	0.00	
	220	0.00	0.29	0.29	0.57	0.21	0.00	0.00	
	230	0.00	0.36	0.71	0.21	0.50	0.00	0.00	
	240	0.07	0.29	0.50	0.36	0.14	0.07	0.00	
	250	0.00	0.00	0.00	0.14	0.00	0.07	0.00	
	260	0.00	0.14	0.07	0.07	0.00	0.07	0.00	
	270	0.00	0.07	0.14	0.07	0.07	0.00	0.00	
	280	0.00	0.14	0.00	0.00	0.00	0.00	0.00	
	290	0.00	0.07	0.00	0.07	0.00	0.00	0.00	
	300	0.00	0.14	0.07	0.07	0.00	0.00	0.00	
	310	0.00	0.43	0.00	0.00	0.00	0.00	0.00	
	320	0.00	0.21	0.29	0.00	0.00	0.00	0.00	
	330	0.00	0.50	0.50	0.14	0.00	0.00	0.00	
	340	0.00	0.21	0.14	0.00	0.07	0.00	0.00	
	350	0.00	0.36	0.14	0.07	0.00	0.00	0.00	

	Wind Speed (kt) July								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	010	0.00	0.21	0.00	0.00	0.07	0.00	0.00	
	020	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	030	0.00	0.28	0.55	0.41	0.14	0.00	0.00	
	040	0.00	0.28	1.66	0.69	0.21	0.00	0.00	
	050	0.00	0.69	4.49	1.66	0.62	0.00	0.00	
	060	0.00	0.62	0.76	0.35	0.07	0.00	0.00	
	070	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.14	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.5
	190	0.07	0.00	0.14	0.00	0.00	0.00	0.00	
	200	0.00	0.62	0.28	0.00	0.00	0.07	0.00	
	210	0.07	0.83	1.59	0.28	0.00	0.00	0.00	
	220	0.00	0.48	1.04	0.07	0.07	0.00	0.00	
	230	0.00	0.55	2.28	0.28	0.28	0.00	0.00	
	240	0.00	0.28	0.69	0.48	0.00	0.00	0.00	
	250	0.00	0.28	0.41	0.14	0.00	0.00	0.00	
	260	0.00	0.28	0.28	0.07	0.00	0.00	0.00	
	270	0.14	0.07	0.07	0.07	0.00	0.00	0.00	
	280	0.07	0.00	0.14	0.00	0.00	0.00	0.00	
	290	0.07	0.35	0.14	0.00	0.00	0.00	0.00	
	300	0.00	0.00	0.28	0.07	0.00	0.00	0.00	
	310	0.00	0.07	0.07	0.00	0.00	0.00	0.00	
	320	0.07	0.07	0.35	0.00	0.00	0.00	0.00	
	330	0.00	0.07	0.14	0.00	0.00	0.00	0.00	
	340	0.07	0.07	0.00	0.00	0.00	0.00	0.00	
	350	0.00	0.07	0.00	0.00	0.00	0.00	0.00	

	Wind Speed (kt) August								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	010	0.00	0.00	0.07	0.00	0.00	0.00	0.00	
	020	0.00	0.00	0.14	0.00	0.00	0.00	0.00	
	030	0.00	0.28	0.62	0.55	0.07	0.00	0.00	
	040	0.07	0.07	0.35	0.48	0.00	0.00	0.00	
	050	0.00	0.83	2.69	1.17	0.00	0.00	0.00	
	060	0.00	0.14	0.28	0.00	0.00	0.00	0.00	
	070	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	140	0.07	0.00	0.07	0.00	0.00	0.00	0.00	
	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.8
	190	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	200	0.00	0.21	0.14	0.14	0.00	0.00	0.00	
	210	0.00	0.35	0.35	0.21	0.07	0.00	0.00	
	220	0.00	0.14	0.41	0.00	0.14	0.00	0.00	
	230	0.00	0.07	0.62	0.35	0.00	0.00	0.00	
	240	0.00	0.07	0.28	0.14	0.00	0.00	0.00	
	250	0.00	0.14	0.07	0.00	0.07	0.00	0.00	
	260	0.00	0.00	0.00	0.07	0.00	0.00	0.00	
	270	0.00	0.07	0.07	0.00	0.07	0.00	0.00	
	280	0.00	0.07	0.00	0.00	0.00	0.07	0.00	
	290	0.00	0.14	0.07	0.00	0.00	0.00	0.00	
	300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	310	0.00	0.00	0.00	0.00	0.07	0.00	0.00	
	320	0.00	0.14	0.14	0.00	0.00	0.00	0.00	
	330	0.00	0.14	0.07	0.00	0.07	0.00	0.00	
	340	0.00	0.14	0.00	0.00	0.00	0.00	0.00	
	350	0.00	0.14	0.07	0.00	0.00	0.00	0.00	

	Wind Speed (kt) September								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	020	0.00	0.00	0.00	0.07	0.00	0.00	0.00	
	030	0.00	0.21	0.71	0.21	0.00	0.00	0.00	
	040	0.00	0.50	1.43	1.43	0.14	0.00	0.00	
	050	0.00	0.43	5.13	1.71	0.14	0.00	0.00	
	060	0.07	0.64	0.93	0.14	0.00	0.00	0.00	
	070	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.2
	190	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	200	0.00	0.50	0.43	0.07	0.00	0.00	0.00	
	210	0.07	0.64	2.14	0.43	0.14	0.00	0.00	
	220	0.00	0.21	0.93	0.36	0.00	0.00	0.00	
	230	0.00	0.36	0.57	0.64	0.14	0.00	0.00	
	240	0.00	0.14	0.29	0.07	0.00	0.00	0.00	
	250	0.00	0.14	0.29	0.00	0.00	0.00	0.00	
	260	0.00	0.00	0.07	0.07	0.00	0.00	0.00	
	270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	280	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	290	0.00	0.07	0.14	0.00	0.00	0.00	0.00	
	300	0.00	0.07	0.07	0.00	0.00	0.00	0.00	
	310	0.00	0.21	0.14	0.00	0.00	0.00	0.00	
	320	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	330	0.00	0.00	0.07	0.00	0.00	0.00	0.00	
	340	0.00	0.00	0.00	0.07	0.00	0.00	0.00	
	350	0.00	0.00	0.14	0.00	0.00	0.00	0.00	

	Wind Speed (kt) October								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	020	0.00	0.00	0.07	0.00	0.00	0.00	0.00	
	030	0.00	0.28	1.45	0.97	0.14	0.00	0.00	
	040	0.00	0.55	1.45	0.55	0.48	0.07	0.00	
	050	0.00	0.62	2.55	0.28	0.41	0.07	0.00	
	060	0.00	0.14	0.62	0.00	0.00	0.00	0.00	
	070	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	170	0.00	0.07	0.07	0.00	0.00	0.00	0.00	
	180	0.00	0.07	0.07	0.00	0.00	0.00	0.00	25.5
	190	0.00	0.14	0.21	0.00	0.00	0.00	0.00	
	200	0.00	0.97	0.83	0.28	0.07	0.00	0.00	
	210	0.00	1.10	2.48	0.76	0.14	0.00	0.00	
	220	0.00	0.07	1.45	0.48	0.00	0.00	0.00	
	230	0.07	0.14	0.83	0.83	0.28	0.00	0.00	
	240	0.00	0.14	0.55	0.34	0.34	0.00	0.00	
	250	0.00	0.14	0.14	0.14	0.07	0.00	0.00	
	260	0.00	0.00	0.21	0.00	0.00	0.00	0.00	
	270	0.00	0.00	0.07	0.07	0.00	0.00	0.00	
	280	0.00	0.00	0.00	0.14	0.07	0.00	0.00	
	290	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	300	0.00	0.00	0.00	0.07	0.07	0.00	0.00	
	310	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	320	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	330	0.14	0.07	0.00	0.00	0.00	0.00	0.00	
	340	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	350	0.00	0.00	0.07	0.00	0.00	0.00	0.00	

	Wind Speed (kt) November								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	010	0.00	0.00	0.07	0.00	0.00	0.00	0.00	
	020	0.07	0.22	0.36	0.29	0.00	0.00	0.00	
	030	0.00	0.50	3.95	3.52	0.86	0.00	0.00	
	040	0.00	0.14	2.22	3.73	1.65	0.00	0.00	
	050	0.00	0.72	4.02	3.30	1.29	0.00	0.00	
	060	0.00	0.29	0.50	0.00	0.00	0.00	0.00	
	070	0.00	0.00	0.00	0.07	0.00	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.3
	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	190	0.00	0.14	0.14	0.07	0.00	0.00	0.00	
	200	0.07	0.29	1.08	0.65	0.00	0.00	0.00	
	210	0.00	1.22	3.80	1.15	0.22	0.00	0.00	
	220	0.00	0.36	1.00	0.43	0.07	0.00	0.00	
	230	0.00	0.07	0.50	0.65	0.29	0.00	0.00	
	240	0.00	0.00	0.14	0.50	0.14	0.00	0.00	
	250	0.00	0.00	0.22	0.14	0.00	0.00	0.00	
	260	0.00	0.07	0.22	0.22	0.00	0.00	0.00	
	270	0.00	0.00	0.00	0.14	0.00	0.00	0.00	
	280	0.00	0.07	0.07	0.00	0.00	0.00	0.00	
	290	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	300	0.00	0.00	0.00	0.14	0.00	0.00	0.00	
	310	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	320	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	330	0.00	0.00	0.00	0.07	0.00	0.00	0.00	
	340	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	350	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

	Wind Speed (kt) December								
Wind Direction		10-15	16-20	21-25	26-30	31-40	41-60	>60	NA
	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	020	0.00	0.07	0.14	0.35	0.21	0.00	0.00	
	030	0.00	0.69	3.80	4.07	2.21	0.21	0.00	
	040	0.00	0.21	2.14	2.76	2.55	0.21	0.00	
	050	0.00	0.83	4.42	3.52	3.66	0.69	0.00	
	060	0.07	0.48	0.76	0.41	0.07	0.00	0.00	
	070	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	080	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	090	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	170	0.00	0.00	0.14	0.00	0.00	0.00	0.00	26.5
	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	190	0.00	0.21	0.07	0.07	0.00	0.00	0.00	
	200	0.00	0.41	1.04	0.35	0.14	0.00	0.00	
	210	0.07	0.83	4.14	2.76	1.24	0.69	0.00	
	220	0.00	0.00	1.45	2.28	0.90	0.35	0.07	
	230	0.00	0.00	1.38	1.45	0.97	0.14	0.00	
	240	0.07	0.07	0.41	1.04	0.62	0.14	0.00	
	250	0.00	0.07	0.35	0.28	0.35	0.21	0.00	
	260	0.00	0.07	0.35	0.48	0.14	0.07	0.00	
	270	0.00	0.00	0.14	0.00	0.07	0.07	0.00	
	280	0.00	0.00	0.14	0.07	0.00	0.00	0.00	
	290	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	300	0.00	0.00	0.00	0.07	0.00	0.00	0.00	
	310	0.00	0.07	0.00	0.00	0.00	0.00	0.00	
	320	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	330	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	340	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	350	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

3. VISIBILITY AND CEILING

3.1. Visibility

3.1.1. Hourly Visibility 10 Years

Cumulative frequencies in percent of visibility below specified values at specified times (months in 3.1.2.). Frequencies are calculated relative to all potentially possible observations each hour (month) minus the not available (NA) observations. The value of NA is calculated relative to the potentially possible observations. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomena were observed.

Example (dark shading): In the 10 years period 11.1% of all observations between 04 and 05 UTC showed a visibility below 5000 m.

	Visibility (m) 10 Years											
Time (UTC)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	00 - 01	0.0	0.0	0.2	0.8	1.3	1.4	2.1	3.9	8.5	15.0	85.0	4.0
	01 - 02	0.0	0.1	0.2	1.1	1.5	1.8	2.6	4.7	9.1	15.7	84.3	51.8
	02 - 03	0.0	0.1	0.2	1.1	1.6	1.9	3.0	4.8	9.5	16.4	83.6	3.3
	03 - 04	0.0	0.0	0.1	1.1	1.8	2.1	3.2	5.2	10.2	17.5	82.5	3.5
	04 - 05	0.0	0.0	0.2	1.4	2.1	2.5	3.4	5.6	11.1	20.0	80.0	3.1
	05 - 06	0.0	0.0	0.3	1.5	2.1	2.6	3.5	6.0	12.2	22.0	78.0	2.9
	06 - 07	0.1	0.1	0.4	1.5	2.2	2.6	3.6	6.6	14.1	24.3	75.7	2.9
	07 - 08	0.0	0.0	0.4	1.6	1.9	2.3	3.3	7.2	14.6	24.3	75.7	3.1
	08 - 09	0.0	0.1	0.3	1.3	1.7	1.9	3.0	6.4	13.2	22.5	77.5	3.1
	09 - 10	0.0	0.0	0.2	0.8	1.1	1.3	2.3	5.1	11.5	20.7	79.3	3.0
	10 - 11	0.0	0.0	0.1	0.3	0.6	0.7	1.5	4.2	10.3	18.2	81.8	2.9
	11 - 12	0.0	0.0	0.0	0.2	0.4	0.4	1.0	3.3	8.8	16.8	83.2	3.0
	12 - 13	0.0	0.0	0.0	0.1	0.1	0.2	0.6	2.6	7.6	15.8	84.2	3.0
	13 - 14	0.0	0.0	0.0	0.1	0.1	0.2	0.4	2.3	6.9	14.9	85.1	3.2
	14 - 15	0.0	0.0	0.0	0.1	0.2	0.2	0.5	2.4	6.9	15.0	85.0	2.9
	15 - 16	0.0	0.0	0.1	0.1	0.2	0.3	0.6	2.6	7.2	15.7	84.3	3.0
	16 - 17	0.0	0.0	0.1	0.2	0.3	0.4	0.8	2.6	7.5	15.9	84.1	2.9
	17 - 18	0.0	0.0	0.0	0.2	0.4	0.4	0.7	2.2	6.6	14.0	86.0	3.0
	18 - 19	0.0	0.0	0.0	0.2	0.4	0.5	0.9	2.2	6.2	12.9	87.1	3.0
	19 - 20	0.0	0.0	0.0	0.2	0.5	0.6	0.9	2.3	6.0	12.5	87.5	4.4
	20 - 21	0.0	0.0	0.0	0.3	0.6	0.7	1.2	2.4	6.2	12.3	87.7	3.1
	21 - 22	0.0	0.0	0.1	0.4	0.7	0.9	1.4	2.8	6.8	12.7	87.3	3.2
	22 - 23	0.0	0.0	0.1	0.3	0.7	0.9	1.4	3.0	7.3	13.5	86.5	3.1
	23 - 00	0.0	0.0	0.2	0.5	0.9	1.1	1.8	3.6	8.1	14.4	85.6	3.4

3.1.2. Monthly Visibility 10 Years

Example (dark shading): In the 10 years period in March 5.4% of all observations showed a visibility below 5000 m.

	Visibility (m) 10 Years											
Time (Months)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	January	0.1	0.1	0.4	2.1	3.5	4.4	7.4	16.1	30.6	45.4	54.6	13.4
	February	0.1	0.1	0.4	1.1	1.5	1.7	2.7	6.2	14.0	22.7	77.3	22.2
	March	0.0	0.0	0.1	0.2	0.3	0.3	0.4	1.6	5.4	13.8	86.2	2.9
	April	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.9	7.2	92.8	3.3
	May	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	1.7	6.0	94.0	2.5
	June	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	3.2	96.8	2.6
	July	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	2.1	97.9	2.8
	August	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.7	2.6	97.4	2.7
	September	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.9	4.5	12.0	88.0	2.6
	October	0.0	0.1	0.4	1.6	2.0	2.3	3.0	5.8	14.3	27.0	73.0	2.6
	November	0.0	0.0	0.1	0.7	1.3	1.7	3.3	7.5	18.8	32.9	67.1	3.3
	December	0.0	0.0	0.3	1.7	2.8	3.3	4.7	9.2	18.2	31.4	68.6	2.7

3.1.3. Hourly Visibility per Season

Example (dark shading): In the 10 years period in winter 23.1 % of all observations between 04 and 05 UTC showed a visibility below 5000 m.

	Visibility (m) Winter (Dec/Jan/Feb)												
Time (UTC)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	00 - 01	0.0	0.0	0.6	2.3	3.9	4.4	6.5	11.0	20.6	32.2	67.8	11.1
	01 - 02	0.0	0.1	0.5	2.6	4.0	4.9	7.3	12.8	21.8	34.1	65.9	55.4
	02 - 03	0.0	0.1	0.3	2.7	4.4	5.5	8.5	12.5	22.1	35.1	64.9	11.0
	03 - 04	0.0	0.0	0.1	2.9	4.4	5.4	8.2	12.9	22.8	35.2	64.8	11.1
	04 - 05	0.0	0.0	0.3	3.4	5.0	5.9	8.6	12.9	23.1	35.8	64.2	10.5
	05 - 06	0.1	0.1	0.4	3.1	4.8	6.2	8.0	13.1	24.7	35.9	64.1	10.2
	06 - 07	0.1	0.1	0.5	3.2	5.1	6.0	8.0	14.0	27.0	39.2	60.8	10.4
	07 - 08	0.1	0.1	0.9	3.9	5.0	6.3	9.2	18.9	31.7	44.5	55.5	10.4
	08 - 09	0.1	0.2	1.0	3.5	4.9	5.6	9.0	17.7	30.2	42.8	57.2	10.9
	09 - 10	0.1	0.2	0.9	2.8	3.7	4.5	7.4	15.3	27.8	40.8	59.2	10.4
	10 - 11	0.1	0.1	0.3	1.2	2.3	2.7	4.8	12.9	26.0	37.4	62.6	10.3
	11 - 12	0.1	0.1	0.1	0.6	1.3	1.7	3.5	10.2	22.2	34.9	65.1	10.5
	12 - 13	0.0	0.0	0.1	0.3	0.4	0.6	1.9	8.2	19.7	33.4	66.6	10.3
	13 - 14	0.0	0.0	0.0	0.2	0.5	0.7	1.3	7.5	18.1	31.6	68.4	10.6
	14 - 15	0.0	0.0	0.1	0.3	0.6	0.6	1.4	7.4	17.6	32.2	67.8	10.5
	15 - 16	0.0	0.0	0.2	0.4	0.7	0.8	1.6	8.0	18.2	33.3	66.7	10.4
	16 - 17	0.1	0.1	0.2	0.6	1.0	1.4	2.3	8.0	19.1	33.3	66.7	10.3
	17 - 18	0.1	0.1	0.2	0.8	1.2	1.3	2.2	6.3	15.8	28.2	71.8	10.5
	18 - 19	0.1	0.1	0.1	0.7	1.3	1.7	2.7	6.6	15.1	27.5	72.5	10.6
	19 - 20	0.1	0.1	0.1	0.6	1.3	1.7	2.9	7.0	15.3	27.7	72.3	11.3
	20 - 21	0.1	0.1	0.2	1.1	1.7	2.1	3.4	7.3	16.0	27.4	72.6	10.6
	21 - 22	0.0	0.0	0.4	1.2	2.4	2.7	4.3	8.2	17.4	28.4	71.6	10.4
	22 - 23	0.0	0.0	0.4	0.9	2.2	2.7	4.3	8.9	18.3	29.5	70.5	10.5
	23 - 00	0.0	0.1	0.6	1.4	2.9	3.5	5.7	10.3	20.2	30.3	69.7	10.9

	Visibility (m) Spring (Mar/Apr/May)												
Time (UTC)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	00 - 01	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.6	2.0	6.1	93.9	2.0
	01 - 02	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.7	1.8	6.3	93.7	50.7
	02 - 03	0.0	0.1	0.2	0.2	0.3	0.3	0.4	0.8	2.4	7.7	92.3	0.6
	03 - 04	0.0	0.0	0.0	0.1	0.4	0.4	0.7	1.2	3.3	8.9	91.1	0.8
	04 - 05	0.0	0.0	0.0	0.2	0.4	0.5	0.5	1.7	4.7	13.1	86.9	0.8
	05 - 06	0.0	0.0	0.0	0.2	0.4	0.4	0.7	2.2	5.9	16.3	83.7	0.6
	06 - 07	0.1	0.1	0.2	0.4	0.4	0.5	0.7	2.4	6.5	17.5	82.5	0.4
	07 - 08	0.0	0.0	0.1	0.3	0.3	0.3	0.4	1.7	5.7	15.9	84.1	0.8
	08 - 09	0.0	0.0	0.1	0.2	0.3	0.4	0.4	1.3	4.7	14.7	85.3	0.5
	09 - 10	0.0	0.0	0.1	0.1	0.1	0.2	0.2	1.1	3.8	12.3	87.7	0.5
	10 - 11	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.9	3.5	10.4	89.6	0.5
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	3.2	8.6	91.4	0.8
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.8	8.3	91.7	0.7
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.5	7.9	92.1	1.0
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	2.5	7.7	92.3	0.7
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	2.3	7.7	92.3	0.5
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.2	7.7	92.3	0.6
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	2.5	7.8	92.2	0.6
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	2.0	6.8	93.2	0.8
	19 - 20	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	1.4	4.9	95.1	2.1
	20 - 21	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	1.2	4.4	95.6	0.8
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.4	3.8	96.2	0.9
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.6	4.3	95.7	0.9
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.7	5.0	95.0	1.3

	Visibility (m) Summer (Jun/Jul/Aug)											
Time (UTC)	< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
00 - 01	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.5	1.8	98.2	2.0
01 - 02	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.3	1.0	99.0	50.9
02 - 03	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.7	1.9	98.1	1.0
03 - 04	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.5	1.2	3.5	96.5	0.8
04 - 05	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.5	2.2	6.1	93.9	0.6
05 - 06	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.6	1.9	6.5	93.5	0.3
06 - 07	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	2.0	7.0	93.0	0.3
07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3	5.4	94.6	0.8
08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	96.0	0.4
09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.5	97.5	0.5
10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.5	98.5	0.4
11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.7	98.3	0.4
12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.3	98.7	0.3
13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	1.0	99.0	0.6
14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.5	98.5	0.2
15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.8	98.2	0.4
16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.6	98.4	0.2
17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	2.2	97.8	0.1
18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	2.0	98.0	0.3
19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.4	98.6	1.7
20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.4	98.6	0.5
21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	1.7	98.3	0.8
22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.7	98.3	0.8
23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	2.3	97.7	0.8

	Visibility (m) Autumn (Sep/Oct/Nov)											
Time (UTC)	< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
00 - 01	0.0	0.1	0.2	1.1	1.5	1.5	2.2	4.6	12.3	22.1	77.9	1.1
01 - 02	0.0	0.1	0.3	1.5	2.1	2.5	3.4	6.1	13.8	23.7	76.3	50.3
02 - 03	0.0	0.2	0.4	1.5	2.2	2.3	3.5	6.6	14.5	23.4	76.6	0.6
03 - 04	0.0	0.1	0.2	1.6	2.6	2.9	4.3	7.1	14.9	24.7	75.3	1.2
04 - 05	0.0	0.0	0.4	2.2	3.2	3.8	4.9	8.2	15.7	26.7	73.3	0.5
05 - 06	0.0	0.1	0.7	2.7	3.4	3.9	5.6	8.9	18.0	31.1	68.9	0.5
06 - 07	0.0	0.1	0.8	2.7	3.4	4.3	6.1	10.8	22.7	35.6	64.4	0.7
07 - 08	0.0	0.1	0.4	2.4	2.7	2.9	4.5	9.5	21.8	33.8	66.2	0.4
08 - 09	0.0	0.0	0.2	1.6	2.0	2.3	3.2	8.1	19.1	31.2	68.8	0.7
09 - 10	0.0	0.0	0.0	0.4	0.8	1.0	2.0	5.1	15.9	29.6	70.4	0.5
10 - 11	0.0	0.0	0.0	0.1	0.2	0.3	1.3	4.1	13.3	25.9	74.1	0.4
11 - 12	0.0	0.0	0.0	0.1	0.2	0.2	0.8	3.3	11.1	24.3	75.7	0.6
12 - 13	0.0	0.0	0.0	0.0	0.0	0.1	0.5	2.4	8.8	22.4	77.6	0.9
13 - 14	0.0	0.0	0.0	0.0	0.1	0.2	0.3	1.9	8.1	21.2	78.8	0.8
14 - 15	0.0	0.0	0.0	0.2	0.3	0.3	0.7	2.2	8.3	20.8	79.2	0.5
15 - 16	0.0	0.0	0.0	0.1	0.2	0.3	0.9	2.4	9.2	22.1	77.9	0.7
16 - 17	0.0	0.0	0.0	0.1	0.2	0.3	1.1	2.6	9.7	23.0	77.0	0.7
17 - 18	0.0	0.0	0.0	0.1	0.3	0.3	0.9	2.3	8.6	19.7	80.3	0.8
18 - 19	0.0	0.0	0.0	0.1	0.3	0.3	0.9	2.0	8.1	17.2	82.8	0.5
19 - 20	0.0	0.0	0.0	0.3	0.6	0.6	1.0	2.4	8.1	17.8	82.2	2.4
20 - 21	0.0	0.0	0.0	0.3	0.6	0.8	1.4	2.7	8.5	18.0	82.0	0.5
21 - 22	0.0	0.0	0.0	0.4	0.6	0.9	1.7	3.1	9.5	18.6	81.4	0.9
22 - 23	0.0	0.0	0.0	0.4	0.8	1.0	1.6	3.3	10.1	20.5	79.5	0.5
23 - 00	0.0	0.0	0.2	0.7	1.1	1.2	2.0	4.3	11.6	21.9	78.1	0.9

3.1.4. Hourly Visibility per Month

Example (dark shading): In the 10 years period in January 34.2% of all observations between 04 and 05 UTC showed a visibility below 5000 m.

	Visibility (m) January											
Time (UTC)	< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
00 - 01	0.0	0.0	0.2	2.6	5.0	5.7	9.4	15.6	30.6	44.4	55.6	12.1
01 - 02	0.0	0.0	0.4	3.7	5.9	6.6	11.0	18.7	33.0	46.9	53.1	56.0
02 - 03	0.0	0.0	0.4	3.7	6.3	7.9	13.1	18.8	34.2	48.2	51.8	12.3
03 - 04	0.0	0.0	0.2	3.6	6.2	8.0	12.6	19.2	35.0	48.4	51.6	11.6
04 - 05	0.0	0.0	0.2	4.0	5.8	7.5	12.2	18.0	34.2	49.1	50.9	11.3
05 - 06	0.2	0.2	0.4	3.6	5.4	7.1	10.2	18.0	34.1	47.9	52.1	11.1
06 - 07	0.4	0.4	0.5	3.8	6.2	7.6	10.5	18.2	36.9	49.8	50.2	11.3
07 - 08	0.4	0.4	1.5	4.7	5.8	8.0	12.7	26.9	43.6	57.9	42.1	11.1
08 - 09	0.4	0.7	0.9	4.4	5.8	7.3	11.9	25.0	42.5	57.5	42.5	11.6
09 - 10	0.2	0.5	1.1	3.8	4.7	5.6	10.2	22.5	38.9	53.6	46.4	11.3
10 - 11	0.2	0.4	0.5	2.4	3.6	3.8	7.3	18.7	36.9	48.5	51.5	11.3
11 - 12	0.4	0.4	0.4	1.3	2.2	2.6	5.1	16.8	31.9	47.4	52.6	11.6
12 - 13	0.0	0.0	0.4	0.5	0.9	1.1	2.4	13.8	28.1	44.9	55.1	11.0
13 - 14	0.0	0.0	0.0	0.5	0.9	1.5	2.2	13.5	25.7	42.5	57.5	11.6
14 - 15	0.0	0.0	0.2	0.4	0.7	0.9	2.6	13.7	24.8	42.3	57.7	11.6
15 - 16	0.0	0.0	0.4	0.4	0.9	1.1	2.9	13.9	26.1	42.9	57.1	11.0
16 - 17	0.2	0.2	0.4	0.5	1.3	2.2	4.0	13.9	27.5	44.2	55.8	11.0
17 - 18	0.0	0.0	0.2	0.9	1.8	2.0	3.3	10.4	22.4	38.3	61.7	11.6
18 - 19	0.0	0.0	0.0	0.9	1.8	2.6	4.7	9.7	20.9	37.3	62.7	11.5
19 - 20	0.0	0.0	0.0	0.4	2.0	2.8	5.1	9.9	20.8	37.7	62.3	12.3
20 - 21	0.0	0.0	0.0	1.6	2.0	2.7	5.5	11.1	23.2	37.6	62.4	11.6
21 - 22	0.0	0.0	0.2	1.3	2.7	3.6	6.4	12.4	25.5	39.6	60.4	11.3
22 - 23	0.0	0.0	0.4	0.9	2.7	3.8	6.4	13.5	28.3	41.1	58.9	11.6
23 - 00	0.0	0.0	0.4	1.3	4.0	5.3	8.6	15.4	30.8	42.9	57.1	12.1

	Visibility (m) February											
Time (UTC)	< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
00 - 01	0.0	0.0	0.9	1.6	2.2	2.2	3.1	6.9	11.8	18.5	81.5	20.6
01 - 02	0.0	0.0	0.5	1.4	1.4	2.3	3.2	7.2	12.2	20.3	79.7	60.6
02 - 03	0.0	0.0	0.0	1.4	2.0	2.7	3.8	7.0	13.3	21.2	78.8	21.3
03 - 04	0.0	0.0	0.2	1.6	2.0	2.3	3.6	6.8	12.6	21.2	78.8	21.3
04 - 05	0.0	0.0	0.4	2.5	2.9	3.1	4.0	7.4	14.1	23.2	76.8	20.6
05 - 06	0.0	0.0	0.9	2.2	3.1	4.0	4.2	8.0	16.3	25.2	74.8	20.4
06 - 07	0.0	0.0	0.7	3.3	3.6	4.2	5.6	11.1	20.9	33.2	66.8	20.4
07 - 08	0.0	0.0	0.9	3.3	3.8	4.7	6.9	13.1	22.0	35.6	64.4	20.4
08 - 09	0.0	0.0	0.4	2.5	2.9	2.9	6.3	10.7	20.4	31.1	68.9	20.7
09 - 10	0.0	0.0	0.4	2.4	2.7	2.9	4.9	9.4	19.2	29.4	70.6	20.4
10 - 11	0.0	0.0	0.0	0.2	1.3	1.6	2.4	8.0	16.7	26.1	73.9	20.4
11 - 12	0.0	0.0	0.0	0.0	0.4	0.7	1.8	4.9	13.1	22.9	77.1	20.4
12 - 13	0.0	0.0	0.0	0.0	0.0	0.2	0.4	3.3	12.5	20.7	79.3	20.4
13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.7	12.8	19.7	80.3	20.7
14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	12.3	20.1	79.9	20.6
15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	12.1	20.8	79.2	20.7
16 - 17	0.0	0.0	0.2	0.2	0.2	0.4	1.1	4.5	14.3	23.4	76.6	20.4
17 - 18	0.2	0.2	0.4	0.4	0.4	0.4	1.1	2.9	12.9	20.2	79.8	20.2
18 - 19	0.4	0.4	0.4	0.4	0.9	1.1	1.6	3.8	10.7	19.8	80.2	20.4
19 - 20	0.4	0.4	0.4	0.4	0.7	0.9	1.6	5.1	11.6	19.2	80.8	20.7
20 - 21	0.2	0.2	0.4	0.7	1.1	1.1	2.5	4.7	10.5	18.1	81.9	20.6
21 - 22	0.0	0.0	0.4	0.9	1.6	1.6	2.4	4.7	10.5	18.3	81.7	20.4
22 - 23	0.0	0.0	0.2	0.9	1.1	1.1	2.2	4.9	10.7	18.3	81.7	20.6
23 - 00	0.0	0.0	0.4	1.1	1.3	1.6	2.7	6.0	12.1	17.9	82.1	20.7

	Visibility (m) March											
Time (UTC)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.1	10.4	89.6	2.3
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.2	10.7	89.3	50.3
	02 - 03	0.0	0.0	0.0	0.0	0.2	0.2	0.5	1.6	3.7	11.5	88.5	0.6
	03 - 04	0.0	0.0	0.0	0.3	0.7	0.7	1.0	2.1	4.2	12.1	87.9	1.0
	04 - 05	0.0	0.0	0.0	0.3	0.7	0.7	0.8	2.1	4.2	13.5	86.5	0.8
	05 - 06	0.0	0.0	0.0	0.6	0.6	0.6	1.1	3.2	7.3	18.1	81.9	0.2
	06 - 07	0.3	0.3	0.5	1.0	1.0	1.0	1.6	4.2	10.4	24.1	75.9	0.3
	07 - 08	0.0	0.0	0.3	1.0	1.0	1.0	1.1	3.7	10.7	22.5	77.5	1.0
	08 - 09	0.0	0.0	0.3	0.6	0.8	1.1	1.3	3.1	9.9	21.6	78.4	0.5
	09 - 10	0.0	0.0	0.2	0.3	0.3	0.5	0.6	2.6	8.7	19.1	80.9	0.3
	10 - 11	0.0	0.0	0.0	0.2	0.3	0.3	0.5	1.8	7.6	16.8	83.2	0.0
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.5	6.8	15.9	84.1	0.6
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.3	15.0	85.0	0.8
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	5.1	13.5	86.5	1.1
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	5.0	13.0	87.0	0.5
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	5.0	13.3	86.7	0.6
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	5.0	14.0	86.0	0.6
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.7	14.3	85.7	0.5
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	3.3	10.7	89.3	0.8
	19 - 20	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	2.8	8.1	91.9	2.6
	20 - 21	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.8	2.8	7.8	92.2	0.6
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	7.2	92.8	0.8
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.6	7.5	92.5	1.1
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.5	8.7	91.3	1.5

	Visibility (m) April											
Time (UTC)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.2	4.4	95.6	2.0
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	5.1	94.9	51.2
	02 - 03	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	1.7	6.4	93.6	0.8
	03 - 04	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	2.4	5.9	94.1	1.2
	04 - 05	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.7	3.0	11.7	88.3	1.5
	05 - 06	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.7	4.9	15.9	84.1	1.3
	06 - 07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.7	13.8	86.2	0.8
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.6	13.5	86.5	1.5
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.0	13.3	86.7	1.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	10.4	89.6	0.8
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.0	8.9	91.1	1.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.0	6.3	93.8	1.3
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	1.5	6.2	93.8	1.2
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.9	5.8	94.2	1.5
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	2.0	5.9	94.1	1.5
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.3	5.5	94.5	0.8
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	5.7	94.3	1.0
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	5.0	95.0	0.7
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	1.0	5.6	94.4	1.0
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.9	97.1	2.8
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.4	96.6	1.0
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	1.0	2.5	97.5	1.0
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.2	96.8	1.3
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	3.4	96.6	0.8

	Visibility (m) May											
Time (UTC)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	00 - 01	0.0	0.0	0.0	0.0	0.3	0.5	0.7	0.7	1.6	3.4	96.6	1.8
	01 - 02	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.7	1.3	2.9	97.1	50.5
	02 - 03	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	1.6	5.0	95.0	0.3
	03 - 04	0.0	0.0	0.0	0.0	0.2	0.2	0.6	1.0	3.4	8.7	91.3	0.3
	04 - 05	0.0	0.0	0.0	0.3	0.6	0.6	0.6	2.3	6.6	14.2	85.8	0.0
	05 - 06	0.0	0.0	0.0	0.0	0.5	0.6	0.6	1.6	5.5	14.9	85.1	0.3
	06 - 07	0.0	0.0	0.2	0.2	0.3	0.5	0.5	1.1	4.4	14.4	85.6	0.2
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.7	11.6	88.4	0.0
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	9.2	90.8	0.0
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	7.5	92.5	0.5
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	5.5	94.5	0.5
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.6	96.4	0.3
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.7	96.3	0.2
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	4.4	95.6	0.3
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	4.0	96.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	4.2	95.8	0.0
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	3.4	96.6	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	4.1	95.9	0.6
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.8	4.1	95.9	0.5
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.7	96.3	1.0
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	98.1	0.6
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.7	1.8	98.2	1.0
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.1	2.3	97.7	0.3
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.5	2.8	97.2	1.5

	Visibility (m) June											
Time (UTC)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	2.6	97.4	2.0
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.7	98.3	50.7
	02 - 03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	3.2	96.8	0.8
	03 - 04	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	2.3	5.0	95.0	0.5
	04 - 05	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.7	3.8	8.0	92.0	0.2
	05 - 06	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3	2.0	8.2	91.8	0.3
	06 - 07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	9.2	90.8	0.2
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.2	93.8	0.7
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.5	95.5	0.0
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.3	96.7	0.2
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.0	98.0	0.0
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	98.5	0.2
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	99.2	0.5
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	99.5	0.3
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	99.5	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.7	98.3	0.5
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	2.3	97.7	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	2.5	97.5	0.2
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	2.3	97.7	0.2
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	2.0	98.0	2.0
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	1.7	98.3	0.5
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.8	98.2	0.7
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.5	98.5	0.7
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	3.0	97.0	0.7

	Visibility (m) July											
Time (UTC)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	99.5	1.9
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	99.7	50.8
	02 - 03	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.7	1.1	98.9	1.3
	03 - 04	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3	0.7	3.3	96.7	0.8
	04 - 05	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.6	5.7	94.3	1.1
	05 - 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	4.9	95.1	0.5
	06 - 07	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.9	4.5	95.5	0.5
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.9	96.1	1.3
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.8	97.2	1.0
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	1.6	98.4	1.1
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	99.0	0.8
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.5	98.5	0.6
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	1.8	98.2	0.5
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	1.3	98.7	1.0
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.6	98.4	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	98.1	0.2
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.5	98.5	0.3
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.3	97.7	0.2
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	1.9	98.1	0.5
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	1.3	98.7	1.1
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	99.0	0.2
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	98.9	0.8
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.6	98.4	0.6
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.5	98.5	1.0

	Visibility (m) August											
Time (UTC)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	00 - 01	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.3	0.3	2.3	97.7	1.9
	01 - 02	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.7	1.0	99.0	51.1
	02 - 03	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.8	1.5	98.5	0.8
	03 - 04	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.5	0.7	2.1	97.9	1.1
	04 - 05	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.6	1.1	4.7	95.3	0.5
	05 - 06	0.0	0.0	0.0	0.0	0.3	0.3	0.3	1.1	2.3	6.6	93.4	0.0
	06 - 07	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5	2.9	7.3	92.7	0.2
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.6	6.0	94.0	0.3
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.7	95.3	0.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.6	97.4	0.2
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	98.4	0.5
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.3	97.7	0.3
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	1.3	98.7	0.0
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	98.9	0.5
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.4	97.6	0.3
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.8	98.2	0.5
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	98.9	0.0
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.8	98.2	0.0
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.6	98.4	0.3
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	99.2	2.1
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	98.5	1.0
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	2.1	97.9	0.8
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.0	98.0	1.0
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.4	97.6	0.6

	Visibility (m) September											
Time (UTC)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	9.4	90.6	1.2
	01 - 02	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	2.3	10.1	89.9	50.3
	02 - 03	0.0	0.0	0.2	0.3	0.5	0.5	0.7	1.0	3.5	10.3	89.7	0.8
	03 - 04	0.0	0.0	0.0	0.5	1.0	1.0	1.2	1.7	5.4	10.3	89.7	1.0
	04 - 05	0.0	0.0	0.0	1.2	1.2	1.3	1.7	2.7	6.5	14.7	85.3	0.0
	05 - 06	0.0	0.0	0.0	0.8	1.2	1.2	2.9	3.7	10.3	21.7	78.3	0.8
	06 - 07	0.0	0.0	0.0	0.5	1.0	1.0	2.0	4.0	11.4	21.7	78.3	0.3
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.8	9.2	18.3	81.7	0.5
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	8.3	16.5	83.5	0.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	15.2	84.8	0.0
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	5.2	13.4	86.6	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.5	13.2	86.8	0.3
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.0	12.1	87.9	0.7
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	11.7	88.3	0.7
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.0	10.0	90.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	3.3	9.9	90.1	0.3
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	9.4	90.6	0.7
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	4.4	10.4	89.6	0.8
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.3	9.0	91.0	0.3
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.6	8.0	92.0	2.0
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.5	8.0	92.0	0.2
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.2	7.7	92.3	0.5
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.7	92.3	0.2
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.1	91.9	1.2

	Visibility (m) October											
Time (UTC)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	00 - 01	0.0	0.0	0.3	2.1	2.8	2.8	3.6	6.0	16.4	26.9	73.1	1.0
	01 - 02	0.0	0.3	0.6	3.6	3.9	4.9	5.8	8.4	18.1	29.1	70.9	50.2
	02 - 03	0.0	0.5	1.0	3.1	3.7	4.0	5.5	8.7	19.1	28.1	71.9	0.2
	03 - 04	0.0	0.2	0.3	3.6	5.0	5.7	8.0	10.6	19.1	30.3	69.7	1.0
	04 - 05	0.0	0.0	0.8	4.2	5.8	6.6	7.9	12.2	19.8	31.6	68.4	0.5
	05 - 06	0.0	0.2	1.9	5.8	6.6	7.4	9.0	14.2	24.1	38.0	62.0	0.2
	06 - 07	0.0	0.2	1.9	5.3	6.5	8.1	10.0	17.0	30.0	43.1	56.9	0.5
	07 - 08	0.0	0.2	1.3	5.3	6.3	6.3	8.4	14.2	26.5	39.0	61.0	0.3
	08 - 09	0.0	0.0	0.6	3.6	4.1	4.1	5.2	12.0	22.7	36.7	63.3	0.6
	09 - 10	0.0	0.0	0.0	0.6	1.1	1.6	2.9	7.5	18.8	33.4	66.6	0.5
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.4	15.3	29.2	70.8	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	11.5	26.9	73.1	0.5
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	6.6	22.5	77.5	0.5
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	6.1	19.9	80.1	0.2
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.5	19.8	80.2	0.5
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.7	21.6	78.4	0.6
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.6	24.6	75.4	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	8.7	21.3	78.7	0.2
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	7.7	17.7	82.3	0.0
	19 - 20	0.0	0.0	0.0	0.3	0.3	0.5	0.7	1.6	7.9	18.2	81.8	1.5
	20 - 21	0.0	0.0	0.0	0.2	0.3	0.5	0.8	2.1	8.4	19.8	80.2	0.5
	21 - 22	0.0	0.0	0.0	0.5	0.6	0.8	1.3	2.6	10.9	20.9	79.1	0.6
	22 - 23	0.0	0.0	0.0	0.8	1.0	1.0	1.3	3.2	12.0	24.2	75.8	0.6
	23 - 00	0.0	0.0	0.2	1.3	1.5	1.6	2.1	5.0	13.6	26.1	73.9	0.5

	Visibility (m) November											
Time (UTC)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	00 - 01	0.0	0.2	0.3	1.0	1.7	1.7	3.0	7.8	19.2	29.7	70.3	1.2
	01 - 02	0.0	0.0	0.0	0.7	2.0	2.4	4.0	9.4	20.9	31.6	68.4	50.5
	02 - 03	0.0	0.0	0.0	1.0	2.2	2.2	4.2	10.1	20.7	31.6	68.4	0.8
	03 - 04	0.0	0.0	0.2	0.7	1.5	2.0	3.6	9.0	20.2	33.4	66.6	1.7
	04 - 05	0.0	0.0	0.3	1.0	2.5	3.2	4.9	9.6	20.9	33.7	66.3	1.2
	05 - 06	0.0	0.0	0.2	1.2	2.3	3.0	4.7	8.6	19.3	33.4	66.6	0.7
	06 - 07	0.0	0.2	0.3	2.0	2.7	3.5	6.1	11.1	26.5	41.7	58.3	1.2
	07 - 08	0.0	0.0	0.0	1.7	1.7	2.3	4.7	12.4	29.4	43.8	56.2	0.3
	08 - 09	0.0	0.0	0.0	1.2	1.9	2.7	4.2	11.1	26.3	40.3	59.7	1.2
	09 - 10	0.0	0.0	0.0	0.7	1.2	1.5	3.2	7.9	22.2	40.2	59.8	1.0
	10 - 11	0.0	0.0	0.0	0.3	0.5	1.0	3.0	7.2	19.3	35.1	64.9	0.8
	11 - 12	0.0	0.0	0.0	0.2	0.7	0.7	2.4	6.6	18.4	32.7	67.3	1.0
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.3	1.5	5.9	16.9	32.7	67.3	1.5
	13 - 14	0.0	0.0	0.0	0.0	0.2	0.5	1.0	5.2	15.6	32.1	67.9	1.5
	14 - 15	0.0	0.0	0.0	0.5	0.8	0.8	2.0	5.0	15.5	32.8	67.2	0.8
	15 - 16	0.0	0.0	0.0	0.3	0.7	1.0	2.7	6.1	17.9	34.9	65.1	1.2
	16 - 17	0.0	0.0	0.0	0.3	0.5	0.8	3.2	6.3	17.7	35.0	65.0	1.3
	17 - 18	0.0	0.0	0.0	0.3	0.8	0.8	2.7	5.4	12.9	27.4	72.6	1.5
	18 - 19	0.0	0.0	0.0	0.3	0.8	1.0	2.5	4.7	13.3	25.0	75.0	1.3
	19 - 20	0.0	0.0	0.0	0.5	1.4	1.4	2.3	5.2	14.0	27.4	72.6	3.8
	20 - 21	0.0	0.0	0.0	0.7	1.5	2.0	3.4	5.7	14.6	26.3	73.7	1.0
	21 - 22	0.0	0.0	0.0	0.7	1.2	2.0	3.9	6.4	15.6	27.1	72.9	1.5
	22 - 23	0.0	0.0	0.0	0.3	1.3	2.2	3.5	6.7	16.3	29.5	70.5	0.7
	23 - 00	0.0	0.0	0.3	0.8	1.7	2.0	3.9	7.9	19.0	31.3	68.7	1.0

	Visibility (m) December											
Time (UTC)		< 50	< 100	< 150	< 350	< 600	< 800	< 1500	< 3000	< 5000	< 8000	≥ 8000	NA
	00 - 01	0.0	0.0	0.7	2.6	4.1	4.7	6.4	9.8	18.0	31.3	68.7	1.5
	01 - 02	0.0	0.3	0.6	2.6	4.2	5.2	7.1	11.7	18.8	32.7	67.3	50.2
	02 - 03	0.0	0.3	0.5	2.8	4.4	5.5	7.8	10.8	17.8	33.7	66.3	0.3
	03 - 04	0.0	0.0	0.0	3.1	4.6	5.2	7.5	11.8	19.3	33.6	66.4	1.5
	04 - 05	0.0	0.0	0.3	3.6	5.7	6.5	8.8	12.3	19.8	33.1	66.9	0.5
	05 - 06	0.0	0.0	0.2	3.4	5.5	6.9	8.7	12.4	22.4	32.9	67.1	0.0
	06 - 07	0.0	0.0	0.3	2.4	5.2	5.8	7.5	12.3	22.7	34.2	65.8	0.5
	07 - 08	0.0	0.0	0.5	3.6	5.0	5.8	7.8	15.9	28.1	39.0	61.0	0.6
	08 - 09	0.0	0.0	1.5	3.6	5.5	6.0	8.3	16.2	26.4	38.2	61.8	1.1
	09 - 10	0.0	0.0	1.0	2.3	3.4	4.7	6.6	13.1	24.3	37.6	62.4	0.5
	10 - 11	0.0	0.0	0.3	1.0	1.8	2.4	4.2	11.3	22.9	35.7	64.3	0.2
	11 - 12	0.0	0.0	0.0	0.5	1.1	1.6	3.2	8.3	20.1	32.4	67.6	0.5
	12 - 13	0.0	0.0	0.0	0.3	0.3	0.3	2.4	6.6	17.5	32.3	67.7	0.5
	13 - 14	0.0	0.0	0.0	0.2	0.5	0.5	1.3	5.7	15.1	30.6	69.4	0.5
	14 - 15	0.0	0.0	0.0	0.5	0.8	0.8	1.5	5.3	15.2	32.0	68.0	0.2
	15 - 16	0.0	0.0	0.3	0.8	1.1	1.1	1.6	6.5	15.7	33.7	66.3	0.3
	16 - 17	0.0	0.0	0.2	1.0	1.3	1.3	1.8	5.3	15.1	30.8	69.2	0.5
	17 - 18	0.0	0.0	0.0	1.0	1.3	1.3	1.9	5.0	12.0	25.0	75.0	0.5
	18 - 19	0.0	0.0	0.0	0.8	1.1	1.5	1.8	6.0	13.0	24.3	75.7	1.0
	19 - 20	0.0	0.0	0.0	1.0	1.1	1.5	2.0	5.7	13.1	25.1	74.9	1.6
	20 - 21	0.0	0.0	0.2	1.0	1.8	2.3	2.3	5.7	13.6	25.2	74.8	0.6
	21 - 22	0.0	0.0	0.5	1.5	2.6	2.8	3.7	7.1	15.2	25.9	74.1	0.3
	22 - 23	0.0	0.0	0.5	1.0	2.4	2.9	4.0	7.8	15.0	27.3	72.7	0.3
	23 - 00	0.0	0.3	1.0	1.6	3.1	3.4	5.4	8.8	16.6	28.1	71.9	0.8

3.2. Runway Visual Range (RVR)

3.2.1. Hourly RVR 10 Years

Cumulative frequencies in percent of runway visual range below specified values at specified times (months in 3.2.2.). Frequencies are calculated relative to all potentially possible observations each hour (month) minus the not available (NA) observations. The value of NA is calculated relative to the potentially possible observations. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomena were observed.

Example (dark shading): In the 10 years period 2.8% of all observations between 04 and 05 UTC showed a runway visual range below 1000 m.

	Runway Visual Range (m) 10 Years										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.1	0.8	1.4	1.7	2.0	2.2	3.9
	01 - 02	0.0	0.0	0.0	0.1	1.0	1.7	2.0	2.4	2.8	51.8
	02 - 03	0.0	0.0	0.0	0.2	1.0	1.9	2.3	2.5	2.9	3.2
	03 - 04	0.0	0.0	0.0	0.2	1.1	1.7	2.4	2.7	3.2	3.4
	04 - 05	0.0	0.0	0.0	0.3	1.2	2.1	2.8	3.3	3.6	3.0
	05 - 06	0.0	0.0	0.0	0.3	1.2	2.1	2.7	3.1	3.5	2.9
	06 - 07	0.0	0.0	0.0	0.5	1.4	2.4	2.8	3.1	3.4	2.9
	07 - 08	0.0	0.0	0.0	0.7	1.3	2.0	2.3	2.6	3.1	3.0
	08 - 09	0.0	0.0	0.0	0.6	1.0	1.8	2.0	2.3	2.7	3.0
	09 - 10	0.0	0.0	0.0	0.4	0.7	1.0	1.2	1.4	1.9	2.9
	10 - 11	0.0	0.0	0.0	0.2	0.3	0.5	0.7	0.8	1.3	2.8
	11 - 12	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.9	3.0
	12 - 13	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.4	2.9
	13 - 14	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.4	3.1
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	2.9
	15 - 16	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	2.9
	16 - 17	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.6	2.9
	17 - 18	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	3.0
	18 - 19	0.0	0.0	0.0	0.1	0.3	0.4	0.6	0.7	0.8	3.0
	19 - 20	0.0	0.0	0.0	0.1	0.3	0.4	0.6	0.8	0.9	4.3
	20 - 21	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.0	1.1	3.1
	21 - 22	0.0	0.0	0.0	0.1	0.2	0.7	0.9	1.1	1.3	3.2
	22 - 23	0.0	0.0	0.0	0.1	0.3	0.7	1.1	1.3	1.5	3.1
	23 - 00	0.0	0.0	0.0	0.2	0.5	1.0	1.3	1.6	1.8	3.4

3.2.2. Monthly RVR 10 Years

Example (dark shading): In the 10 years period 2.7% of all observations in October showed a runway visual range below 1000 m.

	Runway Visual Range (m) 10 Years										
Time (Month)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	January	0.0	0.0	0.0	0.5	1.9	3.4	4.4	5.2	6.4	13.4
	February	0.0	0.0	0.0	0.3	1.0	1.5	1.7	2.0	2.3	22.2
	March	0.0	0.0	0.0	0.2	0.3	0.3	0.4	0.4	0.5	2.8
	April	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	3.2
	May	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	2.5
	June	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.6
	July	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
	August	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	2.7
	September	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.5	2.6
	October	0.0	0.0	0.0	0.6	1.6	2.3	2.7	3.0	3.2	2.5
	November	0.0	0.0	0.0	0.2	0.5	1.3	2.0	2.5	3.2	3.2
	December	0.0	0.0	0.0	0.4	1.5	2.8	3.5	3.9	4.8	2.6

3.2.3. Hourly RVR per Season

Example (dark shading): In the 10 years period in winter 5.9% of all observations between 04 and 05 UTC showed a runway visual range below 1000 m.

	Runway Visual Range (m) Winter (Dec/Jan/Feb)										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.2	2.2	4.2	5.2	6.0	6.6	10.9
	01 - 02	0.0	0.0	0.0	0.1	2.6	4.4	5.1	6.2	7.1	55.4
	02 - 03	0.0	0.0	0.0	0.4	2.3	4.7	5.9	6.4	7.8	11.0
	03 - 04	0.0	0.0	0.0	0.4	2.3	4.1	5.8	6.4	7.5	11.1
	04 - 05	0.0	0.0	0.0	0.4	2.5	4.3	5.9	6.7	8.0	10.5
	05 - 06	0.0	0.0	0.0	0.4	2.7	4.7	6.1	7.0	8.0	10.2
	06 - 07	0.0	0.0	0.0	0.3	2.4	4.8	5.8	6.6	7.5	10.4
	07 - 08	0.0	0.0	0.0	0.9	2.8	5.0	5.8	6.7	8.3	10.4
	08 - 09	0.0	0.0	0.1	1.6	3.0	5.2	5.7	6.7	7.9	10.9
	09 - 10	0.0	0.0	0.1	1.2	2.5	3.5	3.8	4.5	6.1	10.4
	10 - 11	0.0	0.0	0.0	0.7	1.2	1.9	2.5	3.0	4.4	10.3
	11 - 12	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.8	3.1	10.5
	12 - 13	0.0	0.0	0.0	0.1	0.3	0.3	0.6	0.7	1.5	10.3
	13 - 14	0.0	0.0	0.0	0.1	0.5	0.6	0.7	0.8	1.4	10.6
	14 - 15	0.0	0.0	0.0	0.1	0.2	0.6	0.7	0.7	1.3	10.5
	15 - 16	0.0	0.0	0.0	0.2	0.4	0.6	0.9	0.9	1.1	10.3
	16 - 17	0.0	0.0	0.0	0.2	0.6	1.0	1.2	1.4	1.6	10.3
	17 - 18	0.0	0.0	0.0	0.2	0.8	1.2	1.4	1.4	1.9	10.5
	18 - 19	0.0	0.0	0.0	0.2	1.1	1.4	1.9	2.2	2.5	10.6
	19 - 20	0.0	0.0	0.0	0.2	0.7	1.3	1.9	2.4	2.6	11.3
	20 - 21	0.0	0.0	0.0	0.2	1.0	1.9	2.3	2.9	3.3	10.6
	21 - 22	0.0	0.0	0.0	0.3	0.7	2.3	2.7	3.3	3.8	10.3
	22 - 23	0.0	0.0	0.0	0.3	0.9	2.4	3.5	4.0	4.5	10.4
	23 - 00	0.0	0.0	0.0	0.6	1.4	3.2	4.1	4.6	5.2	10.8

	Runway Visual Range (m) Spring (Mar/Apr/May)										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.3	2.0
	01 - 02	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.3	50.7
	02 - 03	0.0	0.0	0.0	0.2	0.3	0.3	0.4	0.5	0.5	0.6
	03 - 04	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.8	0.8
	04 - 05	0.0	0.0	0.1	0.1	0.4	0.6	0.8	0.8	0.8	0.7
	05 - 06	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.6	0.5
	06 - 07	0.0	0.0	0.1	0.3	0.4	0.5	0.5	0.5	0.5	0.4
	07 - 08	0.0	0.0	0.0	0.3	0.4	0.4	0.4	0.4	0.4	0.8
	08 - 09	0.0	0.0	0.0	0.2	0.2	0.4	0.4	0.5	0.5	0.5
	09 - 10	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.5
	10 - 11	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.4
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.5
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.4
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
	18 - 19	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.8
	19 - 20	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	2.0
	20 - 21	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.8
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.9
	22 - 23	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.9
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	1.3

	Runway Visual Range (m) Summer (Jun/Jul/Aug)										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	1.8
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	50.8
	02 - 03	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.9
	03 - 04	0.0	0.0	0.0	0.0	0.3	0.4	0.4	0.4	0.4	0.8
	04 - 05	0.0	0.0	0.0	0.1	0.1	0.3	0.3	0.3	0.3	0.6
	05 - 06	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3
	06 - 07	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.3
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.8
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8

	Runway Visual Range (m) Autumn (Sep/Oct/Nov)										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.2	0.9	1.4	1.8	2.2	2.3	1.1
	01 - 02	0.0	0.0	0.0	0.2	1.5	2.5	3.2	3.3	4.0	50.3
	02 - 03	0.0	0.0	0.0	0.3	1.5	2.5	3.0	3.3	3.6	0.5
	03 - 04	0.0	0.0	0.0	0.3	1.6	2.4	3.6	4.0	4.6	1.2
	04 - 05	0.0	0.0	0.0	0.7	2.0	3.5	4.8	5.6	5.9	0.5
	05 - 06	0.0	0.0	0.0	0.5	2.0	3.7	4.5	5.2	5.7	0.5
	06 - 07	0.0	0.0	0.0	1.3	2.9	4.3	5.3	5.7	6.0	0.7
	07 - 08	0.0	0.0	0.0	1.6	2.3	3.0	3.4	4.0	4.5	0.4
	08 - 09	0.0	0.0	0.0	0.7	1.2	1.9	2.3	2.6	3.0	0.6
	09 - 10	0.0	0.0	0.0	0.2	0.3	0.7	1.0	1.3	1.7	0.5
	10 - 11	0.0	0.0	0.1	0.1	0.1	0.3	0.4	0.6	0.8	0.4
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.6	0.6
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.7
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.6
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.5
	15 - 16	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.4	0.4	0.7
	16 - 17	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.6	0.8	0.7
	17 - 18	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.6	0.7	0.8
	18 - 19	0.0	0.0	0.0	0.1	0.2	0.4	0.4	0.6	1.0	0.5
	19 - 20	0.0	0.0	0.0	0.2	0.2	0.4	0.7	0.9	1.1	2.3
	20 - 21	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.4	0.5
	21 - 22	0.0	0.0	0.0	0.0	0.2	0.7	0.9	1.2	1.6	0.9
	22 - 23	0.0	0.0	0.0	0.1	0.4	0.6	0.9	1.2	1.6	0.5
	23 - 00	0.0	0.0	0.0	0.1	0.6	0.9	1.3	1.7	2.0	0.9

3.2.4. Hourly RVR per Month

Example (dark shading): In the 10 years period 8.2% of all observations between 04 and 05 UTC showed a runway visual range below 1000 m.

	Runway Visual Range (m) January										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.4	2.9	5.5	7.1	8.8	9.5	11.9
	01 - 02	0.0	0.0	0.0	0.0	3.3	5.5	6.6	8.8	9.5	56.0
	02 - 03	0.0	0.0	0.0	0.9	3.1	6.8	8.6	9.4	11.8	12.3
	03 - 04	0.0	0.0	0.0	0.0	3.1	6.0	8.6	9.7	11.5	11.6
	04 - 05	0.0	0.0	0.0	0.5	2.7	5.3	8.2	8.9	10.5	11.3
	05 - 06	0.0	0.0	0.0	0.4	3.3	5.4	6.4	8.0	9.8	11.1
	06 - 07	0.0	0.0	0.0	0.4	2.7	5.3	6.4	7.8	9.5	11.3
	07 - 08	0.0	0.0	0.0	1.1	3.4	5.1	6.5	8.2	10.7	11.1
	08 - 09	0.0	0.0	0.0	2.4	3.5	5.5	6.2	8.0	10.0	11.6
	09 - 10	0.0	0.0	0.0	2.0	3.6	4.4	5.1	6.0	7.8	11.3
	10 - 11	0.0	0.0	0.0	1.3	2.2	3.5	3.8	4.2	6.5	11.3
	11 - 12	0.0	0.0	0.0	0.9	1.3	1.6	2.2	2.9	4.6	11.6
	12 - 13	0.0	0.0	0.0	0.2	0.5	0.5	0.5	0.9	1.8	11.0
	13 - 14	0.0	0.0	0.0	0.2	0.9	0.9	1.1	1.3	2.0	11.6
	14 - 15	0.0	0.0	0.0	0.0	0.4	0.9	1.1	1.1	2.0	11.6
	15 - 16	0.0	0.0	0.0	0.2	0.5	0.7	1.1	1.1	1.4	11.0
	16 - 17	0.0	0.0	0.0	0.2	0.7	1.4	1.8	1.8	2.0	11.0
	17 - 18	0.0	0.0	0.0	0.2	1.1	1.5	2.0	2.0	2.6	11.6
	18 - 19	0.0	0.0	0.0	0.0	1.3	1.6	2.7	3.3	3.6	11.5
	19 - 20	0.0	0.0	0.0	0.0	0.9	2.0	2.8	3.5	4.2	12.3
	20 - 21	0.0	0.0	0.0	0.0	1.1	2.7	3.5	4.6	4.7	11.6
	21 - 22	0.0	0.0	0.0	0.2	0.5	3.3	3.6	4.5	5.5	11.3
	22 - 23	0.0	0.0	0.0	0.5	1.1	3.5	4.9	5.7	6.4	11.6
	23 - 00	0.0	0.0	0.0	0.4	1.1	4.2	6.1	6.8	7.9	12.1

	Runway Visual Range (m) February										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.4	1.1	1.8	2.2	2.2	2.2	20.6
	01 - 02	0.0	0.0	0.0	0.0	2.3	2.3	2.7	3.2	3.6	60.6
	02 - 03	0.0	0.0	0.0	0.2	1.1	2.3	3.2	3.4	4.3	21.3
	03 - 04	0.0	0.0	0.0	0.5	1.6	1.8	2.0	2.5	3.2	21.3
	04 - 05	0.0	0.0	0.0	0.2	1.3	2.7	3.1	3.6	4.0	20.6
	05 - 06	0.0	0.0	0.0	0.4	2.0	3.3	4.2	4.5	4.5	20.4
	06 - 07	0.0	0.0	0.0	0.4	2.0	3.8	3.8	4.0	4.9	20.4
	07 - 08	0.0	0.0	0.0	0.9	2.4	3.8	4.2	4.5	4.9	20.4
	08 - 09	0.0	0.0	0.0	0.0	2.2	3.6	3.6	4.0	4.7	20.7
	09 - 10	0.0	0.0	0.2	0.4	1.6	2.9	2.9	3.3	4.0	20.4
	10 - 11	0.0	0.0	0.0	0.0	0.4	0.9	1.6	1.8	2.0	20.4
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	20.4
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	20.4
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.7
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6
	16 - 17	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.4	20.4
	17 - 18	0.0	0.0	0.0	0.4	0.7	0.7	0.7	0.7	0.9	20.2
	18 - 19	0.0	0.0	0.0	0.7	0.9	1.1	1.1	1.1	1.6	20.4
	19 - 20	0.0	0.0	0.0	0.7	0.7	0.9	1.1	1.3	1.3	20.7
	20 - 21	0.0	0.0	0.0	0.2	0.9	0.9	0.9	1.1	1.8	20.6
	21 - 22	0.0	0.0	0.0	0.2	0.7	0.9	1.1	1.6	1.6	20.4
	22 - 23	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.6	1.6	20.6
	23 - 00	0.0	0.0	0.0	0.9	1.6	1.8	2.5	2.5	2.7	20.7

	Runway Visual Range (m) March										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.3
	02 - 03	0.0	0.0	0.0	0.2	0.2	0.3	0.5	0.8	0.8	0.6
	03 - 04	0.0	0.0	0.0	0.2	0.7	0.8	1.0	1.1	1.3	1.0
	04 - 05	0.0	0.0	0.2	0.3	1.0	1.1	1.1	1.1	1.3	0.8
	05 - 06	0.0	0.0	0.0	0.2	0.5	0.6	0.8	0.8	1.1	0.2
	06 - 07	0.0	0.0	0.3	1.0	1.0	1.1	1.1	1.1	1.1	0.3
	07 - 08	0.0	0.0	0.0	1.0	1.1	1.1	1.1	1.1	1.3	0.8
	08 - 09	0.0	0.0	0.0	0.5	0.6	1.1	1.3	1.5	1.5	0.5
	09 - 10	0.0	0.0	0.0	0.3	0.3	0.3	0.6	0.6	0.6	0.2
	10 - 11	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.0
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	18 - 19	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.8
	19 - 20	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	2.6
	20 - 21	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.6
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5

	Runway Visual Range (m) April										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.2
	02 - 03	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.8
	03 - 04	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	1.0
	04 - 05	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.2
	05 - 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
	06 - 07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.2
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	1.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.8
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	1.0
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8

	Runway Visual Range (m) May										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.0	0.5	0.7	0.7	1.0	1.0	1.8
	01 - 02	0.0	0.0	0.0	0.0	0.3	0.3	0.3	1.0	1.0	50.5
	02 - 03	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5	0.5	0.3
	03 - 04	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.8	0.3
	04 - 05	0.0	0.0	0.0	0.0	0.2	0.5	1.0	1.0	1.0	0.0
	05 - 06	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.5	0.6	0.3
	06 - 07	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.2
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	1.0
	22 - 23	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	1.0	1.5

	Runway Visual Range (m) June										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.7
	02 - 03	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3	0.3	0.8
	03 - 04	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.7	0.7	0.5
	04 - 05	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.2
	05 - 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3
	06 - 07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7

	Runway Visual Range (m) July										
		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
Time (UTC)	00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.6
	02 - 03	0.0	0.0	0.0	0.2	0.2	0.3	0.3	0.3	0.3	1.0
	03 - 04	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.6
	04 - 05	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.1
	05 - 06	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
	06 - 07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

	Runway Visual Range (m) August										
		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
Time (UTC)	00 - 01	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	1.9
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	51.1
	02 - 03	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.8
	03 - 04	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	1.1
	04 - 05	0.0	0.0	0.0	0.2	0.3	0.5	0.5	0.5	0.5	0.5
	05 - 06	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.5	0.0
	06 - 07	0.0	0.0	0.0	0.2	0.2	0.3	0.3	0.3	0.3	0.2
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	1.0
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6

	Runway Visual Range (m) September										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	50.3
	02 - 03	0.0	0.0	0.0	0.0	0.3	0.7	0.7	0.7	0.7	0.5
	03 - 04	0.0	0.0	0.0	0.0	0.7	0.8	1.2	1.3	1.7	0.8
	04 - 05	0.0	0.0	0.0	0.2	1.0	1.7	2.3	2.7	2.7	0.0
	05 - 06	0.0	0.0	0.0	0.3	0.7	1.8	2.4	2.9	3.0	0.8
	06 - 07	0.0	0.0	0.0	0.5	1.5	1.8	2.7	2.7	2.8	0.3
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.7	0.8	0.5
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2

	Runway Visual Range (m) October										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.2	1.8	2.8	3.1	3.6	3.7	1.0
	01 - 02	0.0	0.0	0.0	0.6	4.2	5.2	5.8	5.8	6.5	50.2
	02 - 03	0.0	0.0	0.0	0.6	2.7	4.8	5.5	5.8	6.1	0.2
	03 - 04	0.0	0.0	0.0	0.8	3.6	5.4	7.2	8.0	8.6	1.0
	04 - 05	0.0	0.0	0.0	1.5	4.2	6.8	8.9	9.7	10.0	0.5
	05 - 06	0.0	0.0	0.0	1.0	4.7	6.8	8.1	9.0	9.7	0.2
	06 - 07	0.0	0.0	0.0	3.1	5.5	7.1	8.4	9.1	9.4	0.5
	07 - 08	0.0	0.0	0.0	4.0	5.7	6.6	7.0	7.4	7.9	0.3
	08 - 09	0.0	0.0	0.0	1.8	2.9	3.9	4.5	4.7	5.2	0.5
	09 - 10	0.0	0.0	0.0	0.2	0.5	1.1	1.6	2.1	2.3	0.5
	10 - 11	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.3	0.5	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	18 - 19	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.0
	19 - 20	0.0	0.0	0.0	0.3	0.3	0.5	0.5	0.7	0.7	1.3
	20 - 21	0.0	0.0	0.0	0.0	0.5	0.6	0.8	1.3	1.3	0.5
	21 - 22	0.0	0.0	0.0	0.0	0.6	1.1	1.3	1.6	1.8	0.6
	22 - 23	0.0	0.0	0.0	0.3	1.0	1.1	1.1	1.1	1.5	0.6
	23 - 00	0.0	0.0	0.0	0.0	1.0	1.8	2.1	2.3	2.4	0.5

	Runway Visual Range (m) November										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.3	1.0	1.5	2.4	2.9	3.0	1.2
	01 - 02	0.0	0.0	0.0	0.0	0.3	2.4	3.4	3.7	5.1	50.5
	02 - 03	0.0	0.0	0.0	0.3	1.3	2.0	2.7	3.4	4.0	0.8
	03 - 04	0.0	0.0	0.0	0.2	0.5	1.0	2.2	2.5	3.2	1.7
	04 - 05	0.0	0.0	0.0	0.3	0.8	2.0	2.9	4.4	4.9	1.2
	05 - 06	0.0	0.0	0.0	0.2	0.5	2.3	2.9	3.5	4.4	0.7
	06 - 07	0.0	0.0	0.0	0.3	1.5	3.9	4.7	5.2	5.7	1.2
	07 - 08	0.0	0.0	0.0	0.7	1.0	2.2	2.7	3.7	4.5	0.3
	08 - 09	0.0	0.0	0.0	0.3	0.5	1.7	2.2	3.0	3.9	1.2
	09 - 10	0.0	0.0	0.0	0.3	0.3	1.0	1.5	1.9	2.9	1.0
	10 - 11	0.0	0.0	0.0	0.2	0.2	0.8	1.0	1.3	1.8	0.8
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.5	0.7	1.0	1.7	1.0
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	1.0
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.5	1.0
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	1.0	0.8
	15 - 16	0.0	0.0	0.0	0.0	0.2	0.7	1.3	1.3	1.3	1.2
	16 - 17	0.0	0.0	0.0	0.0	0.3	0.5	1.5	1.7	2.5	1.2
	17 - 18	0.0	0.0	0.0	0.2	0.5	0.7	1.2	1.7	2.0	1.5
	18 - 19	0.0	0.0	0.0	0.3	0.5	0.8	1.0	1.5	2.7	1.3
	19 - 20	0.0	0.0	0.0	0.2	0.3	0.9	1.6	2.1	2.8	3.8
	20 - 21	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.4	3.0	1.0
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.0	2.9	1.5
	22 - 23	0.0	0.0	0.0	0.0	0.2	0.5	1.7	2.5	3.4	0.7
	23 - 00	0.0	0.0	0.0	0.2	0.7	1.0	1.9	2.9	3.5	1.0

	Runway Visual Range (m) December										
Time (UTC)		< 50	< 100	< 200	< 350	< 550	< 800	< 1000	< 1200	< 1500	NA
	00 - 01	0.0	0.0	0.0	0.0	2.3	4.7	5.5	6.2	7.2	1.1
	01 - 02	0.0	0.0	0.0	0.3	2.3	4.9	5.5	6.1	7.4	50.2
	02 - 03	0.0	0.0	0.0	0.2	2.4	4.5	5.3	6.0	6.8	0.3
	03 - 04	0.0	0.0	0.0	0.7	2.1	4.1	6.1	6.2	7.2	1.5
	04 - 05	0.0	0.0	0.0	0.3	3.1	4.7	5.8	7.1	8.6	0.5
	05 - 06	0.0	0.0	0.0	0.3	2.6	5.0	7.3	8.1	9.0	0.0
	06 - 07	0.0	0.0	0.0	0.2	2.4	5.2	6.8	7.3	7.6	0.5
	07 - 08	0.0	0.0	0.0	0.6	2.4	5.7	6.3	7.0	8.6	0.6
	08 - 09	0.0	0.0	0.2	2.0	3.3	6.0	6.9	7.5	8.3	1.1
	09 - 10	0.0	0.0	0.0	1.1	2.1	3.2	3.4	3.9	6.2	0.5
	10 - 11	0.0	0.0	0.0	0.6	1.0	1.3	1.9	2.7	4.4	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.5	0.8	1.1	1.8	3.4	0.5
	12 - 13	0.0	0.0	0.0	0.0	0.3	0.3	1.0	1.0	2.1	0.5
	13 - 14	0.0	0.0	0.0	0.0	0.5	0.8	0.8	1.0	1.8	0.5
	14 - 15	0.0	0.0	0.0	0.2	0.2	0.8	0.8	0.8	1.6	0.2
	15 - 16	0.0	0.0	0.0	0.5	0.6	1.0	1.3	1.3	1.6	0.3
	16 - 17	0.0	0.0	0.0	0.2	0.6	1.1	1.5	1.6	2.1	0.5
	17 - 18	0.0	0.0	0.0	0.0	0.6	1.3	1.3	1.5	1.9	0.5
	18 - 19	0.0	0.0	0.0	0.0	1.0	1.3	1.6	2.1	2.3	1.0
	19 - 20	0.0	0.0	0.0	0.0	0.7	1.0	1.6	2.1	2.1	1.6
	20 - 21	0.0	0.0	0.0	0.3	1.0	1.9	2.3	2.8	3.2	0.6
	21 - 22	0.0	0.0	0.0	0.5	1.0	2.4	2.9	3.4	4.0	0.2
	22 - 23	0.0	0.0	0.0	0.3	1.1	2.6	3.7	4.2	4.8	0.0
	23 - 00	0.0	0.0	0.0	0.6	1.6	3.2	3.6	4.2	4.5	0.5

3.3. Ceiling

3.3.1. Hourly Ceiling 10 Years

Frequencies in percent of the base height of the lowest cloud layer of BKN or OVC extent below specified values at specified times (months in 3.3.2). Frequencies are calculated relative to all potentially possible observations each hour (month) minus the not available (NA) observations. The value of NA is calculated relative to the potentially possible observations. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomena were observed.

Example (dark shading): In the 10 years period 4.7% of all observations between 04 and 05 UTC showed a base height of the lowest cloud layer of BKN or OVC below 1000 ft.

	Ceiling (ft) 10 Years									
Time (UTC)		< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
	00 - 01	0.1	0.4	1.1	2.2	3.5	4.5	5.3	47.1	5.3
	01 - 02	0.0	0.4	1.4	2.3	3.8	5.0	5.9	48.4	52.6
	02 - 03	0.1	0.4	1.5	2.7	4.0	5.2	6.1	48.2	5.0
	03 - 04	0.1	0.5	1.6	2.8	4.3	5.5	6.5	50.4	5.3
	04 - 05	0.1	0.5	1.8	3.0	4.7	5.9	7.1	52.4	5.1
	05 - 06	0.1	0.5	1.9	3.1	4.9	6.1	7.4	53.4	5.1
	06 - 07	0.1	0.3	1.7	3.1	4.7	6.1	7.6	53.0	5.2
	07 - 08	0.1	0.3	1.8	3.2	4.8	6.3	7.7	53.4	5.2
	08 - 09	0.1	0.4	1.8	3.0	4.9	6.2	7.7	52.3	5.0
	09 - 10	0.0	0.3	1.6	2.8	4.6	6.0	7.4	51.8	4.5
	10 - 11	0.0	0.2	1.4	2.7	4.3	5.7	7.1	52.0	3.8
	11 - 12	0.0	0.2	1.2	2.5	4.0	5.1	6.3	51.8	3.6
	12 - 13	0.0	0.0	0.9	1.9	3.4	4.2	5.2	52.0	3.3
	13 - 14	0.0	0.1	0.8	1.5	2.9	3.6	4.3	53.1	3.5
	14 - 15	0.0	0.1	0.7	1.1	2.3	3.1	3.8	54.1	3.1
	15 - 16	0.0	0.1	0.6	1.2	2.3	3.0	3.6	54.5	3.4
	16 - 17	0.0	0.2	0.7	1.4	2.4	3.4	4.1	54.8	3.4
	17 - 18	0.0	0.3	0.8	1.4	2.4	3.4	4.2	52.8	3.6
	18 - 19	0.0	0.3	0.8	1.5	2.5	3.4	4.3	51.3	3.7
	19 - 20	0.0	0.4	0.9	1.6	2.9	3.8	4.7	49.4	5.0
	20 - 21	0.0	0.3	0.9	1.8	3.0	3.9	4.8	47.2	4.0
	21 - 22	0.0	0.3	0.8	1.8	3.0	3.9	4.8	47.0	4.2
	22 - 23	0.1	0.4	1.0	2.1	3.3	4.3	5.1	47.1	4.2
	23 - 00	0.1	0.4	1.3	2.4	3.6	4.5	5.3	46.9	4.5

3.3.2. Monthly Ceiling 10 Years

Example (dark shading): In the 10 years period 5.1% of all observations in October showed a base height of the lowest cloud layer of BKN or OVC below 1200 ft.

	Ceiling (ft) 10 Years									
Time (Month)		< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
	January	0.2	1.3	5.4	10.1	15.8	20.1	24.6	49.6	17.9
	February	0.0	0.2	2.4	4.5	6.1	7.0	7.6	60.9	23.8
	March	0.0	0.0	0.1	0.2	0.5	0.7	0.8	45.4	3.3
	April	0.0	0.0	0.1	0.3	0.5	0.7	0.8	55.9	3.2
	May	0.0	0.0	0.0	0.1	0.2	0.2	0.3	53.1	2.7
	June	0.0	0.0	0.0	0.1	0.2	0.4	0.5	41.7	2.6
	July	0.0	0.0	0.0	0.0	0.0	0.1	0.1	40.4	2.8
	August	0.0	0.0	0.1	0.1	0.1	0.2	0.3	39.1	2.7
	September	0.0	0.0	0.2	0.4	0.8	1.2	1.4	50.9	2.7
	October	0.1	0.6	1.5	2.4	4.1	5.1	6.7	56.0	4.4
	November	0.1	0.9	2.7	5.0	8.8	12.5	14.9	60.7	5.5
	December	0.2	1.0	3.7	5.9	9.8	12.5	15.1	63.0	5.7

3.3.3. Hourly Ceiling per Season

Example (dark shading): In the 10 years period in winter 12.7% of all observations between 04 and 05 UTC showed a base height of the lowest cloud layer of BKN or OVC below 1000 ft.

	Ceiling (ft) Winter (Dec/Jan/Feb)								
Time (UTC)		< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
	00 - 01	0.2	1.0	3.7	6.5	10.6	13.4	15.9	55.5	15.0
	01 - 02	0.1	1.0	4.5	6.8	11.0	13.7	16.1	55.8	57.6
	02 - 03	0.2	1.1	4.4	7.6	11.6	14.6	17.0	56.9	16.0
	03 - 04	0.1	1.0	4.5	8.3	12.7	15.5	17.8	56.5	16.1
	04 - 05	0.1	0.9	4.9	8.2	12.7	15.9	18.4	56.9	15.5
	05 - 06	0.3	0.9	5.2	9.0	13.6	16.3	19.4	56.6	15.2
	06 - 07	0.3	1.0	4.5	8.7	12.7	16.0	19.6	57.5	15.5
	07 - 08	0.2	1.2	5.5	8.6	13.0	16.2	19.9	59.2	15.5
	08 - 09	0.3	1.3	6.3	8.9	13.5	16.8	20.1	59.9	15.7
	09 - 10	0.1	1.0	5.5	8.3	13.1	16.0	19.0	59.9	14.8
	10 - 11	0.1	0.6	4.9	8.4	12.8	15.5	18.5	59.1	13.1
	11 - 12	0.0	0.7	4.3	8.6	12.6	15.2	17.8	58.0	12.3
	12 - 13	0.0	0.2	3.2	6.8	11.1	13.2	15.8	59.6	11.4
	13 - 14	0.0	0.3	2.8	5.5	9.7	11.9	14.0	60.8	11.8
	14 - 15	0.1	0.2	2.3	4.1	7.9	10.4	12.7	62.2	11.3
	15 - 16	0.1	0.4	2.1	4.2	7.5	9.9	12.0	63.4	11.6
	16 - 17	0.1	0.4	2.4	5.1	8.1	10.6	13.2	62.1	12.0
	17 - 18	0.1	0.9	2.7	5.1	7.7	10.6	13.4	58.5	12.3
	18 - 19	0.1	1.2	2.9	5.4	8.1	10.7	13.5	56.6	12.7
	19 - 20	0.2	1.5	3.3	6.0	9.5	11.5	14.0	56.2	13.5
	20 - 21	0.1	1.1	3.4	6.3	9.5	11.8	14.5	53.3	13.4
	21 - 22	0.1	1.2	3.1	6.1	9.3	12.0	14.5	53.9	13.2
	22 - 23	0.3	1.3	3.5	6.5	9.9	13.0	15.3	54.4	13.2
	23 - 00	0.3	1.3	4.3	7.1	10.6	13.3	15.8	55.5	14.0

	Ceiling (ft) Spring (Mar/Apr/May)								
Time (UTC)		< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
	00 - 01	0.0	0.0	0.1	0.2	0.4	0.6	0.7	46.2	2.2
	01 - 02	0.0	0.0	0.1	0.2	0.3	0.7	0.8	47.5	50.8
	02 - 03	0.0	0.0	0.2	0.2	0.3	0.5	0.6	48.1	0.8
	03 - 04	0.0	0.1	0.2	0.3	0.3	0.4	0.5	50.9	0.9
	04 - 05	0.0	0.0	0.0	0.2	0.4	0.5	0.8	53.6	1.1
	05 - 06	0.1	0.1	0.1	0.2	0.3	0.5	0.8	56.0	1.3
	06 - 07	0.0	0.1	0.2	0.3	0.4	0.6	0.8	55.6	1.4
	07 - 08	0.0	0.1	0.1	0.4	0.6	0.7	0.8	55.2	1.5
	08 - 09	0.0	0.0	0.1	0.3	0.6	0.7	1.0	53.3	1.3
	09 - 10	0.0	0.1	0.1	0.2	0.4	0.6	0.7	53.7	1.0
	10 - 11	0.0	0.0	0.0	0.1	0.3	0.4	0.7	53.6	0.8
	11 - 12	0.0	0.0	0.1	0.1	0.2	0.5	0.6	52.9	0.8
	12 - 13	0.0	0.0	0.0	0.2	0.2	0.4	0.5	53.4	0.7
	13 - 14	0.0	0.0	0.0	0.1	0.2	0.3	0.4	54.4	0.8
	14 - 15	0.0	0.0	0.0	0.2	0.2	0.4	0.4	54.4	0.5
	15 - 16	0.0	0.0	0.0	0.1	0.2	0.3	0.3	54.9	0.4
	16 - 17	0.1	0.1	0.1	0.2	0.4	0.4	0.4	54.5	0.5
	17 - 18	0.0	0.0	0.1	0.2	0.5	0.5	0.5	53.6	0.7
	18 - 19	0.0	0.0	0.0	0.1	0.5	0.5	0.5	50.9	0.8
	19 - 20	0.0	0.0	0.0	0.1	0.4	0.5	0.5	47.3	2.0
	20 - 21	0.0	0.0	0.0	0.2	0.4	0.5	0.5	45.8	0.8
	21 - 22	0.0	0.0	0.1	0.3	0.5	0.6	0.6	45.8	1.0
	22 - 23	0.0	0.0	0.0	0.3	0.4	0.5	0.7	45.3	1.0
	23 - 00	0.0	0.0	0.1	0.4	0.6	0.7	0.8	44.7	1.3

	Ceiling (ft) Summer (Jun/Jul/Aug)								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.0	0.0	0.0	0.1	0.1	0.1	0.1	34.4	1.8
01 - 02	0.0	0.0	0.0	0.1	0.2	0.3	0.3	36.7	50.9
02 - 03	0.0	0.0	0.0	0.1	0.2	0.3	0.3	35.2	1.0
03 - 04	0.1	0.1	0.2	0.3	0.3	0.5	0.7	39.5	1.0
04 - 05	0.1	0.1	0.3	0.4	0.5	0.9	1.4	42.0	0.8
05 - 06	0.0	0.2	0.3	0.3	0.7	0.9	1.1	43.6	0.3
06 - 07	0.0	0.0	0.2	0.3	0.6	1.0	1.1	41.7	0.3
07 - 08	0.0	0.0	0.0	0.1	0.3	0.8	1.1	41.0	0.7
08 - 09	0.0	0.0	0.0	0.0	0.2	0.4	0.6	40.1	0.2
09 - 10	0.0	0.0	0.0	0.0	0.0	0.1	0.1	39.5	0.3
10 - 11	0.0	0.0	0.0	0.0	0.0	0.1	0.2	40.7	0.2
11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.2	0.3
12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.7	0.3
13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.6	0.7
14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.1	0.2
15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.1	43.1	0.4
16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.3	0.2
17 - 18	0.0	0.0	0.0	0.0	0.0	0.1	0.1	43.7	0.1
18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.1	0.3
19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.8	1.7
20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.6	0.5
21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.4	0.8
22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.1	36.3	0.9
23 - 00	0.0	0.0	0.0	0.0	0.0	0.1	0.1	35.3	0.8

	Ceiling (ft) Autumn (Sep/Oct/Nov)								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.1	0.6	1.1	2.5	4.1	5.3	6.2	53.5	2.4
01 - 02	0.0	0.6	1.5	2.9	4.7	6.5	8.0	54.9	51.3
02 - 03	0.2	0.8	2.1	3.5	5.4	7.2	8.6	54.4	2.5
03 - 04	0.1	1.0	2.2	3.4	5.5	7.5	9.1	55.8	3.6
04 - 05	0.2	1.3	2.5	4.2	6.6	8.0	9.6	58.1	3.2
05 - 06	0.1	0.8	2.6	3.9	6.5	8.4	10.3	58.3	4.0
06 - 07	0.2	0.3	2.2	4.1	6.6	8.8	10.9	58.4	4.1
07 - 08	0.1	0.3	2.2	4.7	6.8	9.0	11.3	59.5	3.4
08 - 09	0.0	0.3	1.5	3.7	6.9	8.8	11.5	57.4	3.1
09 - 10	0.0	0.3	1.5	3.7	6.2	9.1	11.6	55.8	2.0
10 - 11	0.0	0.2	1.2	3.2	5.6	8.3	10.7	55.9	1.2
11 - 12	0.0	0.0	0.9	2.0	4.6	6.2	8.6	55.9	1.2
12 - 13	0.0	0.0	0.7	1.2	3.1	4.4	5.9	56.4	1.0
13 - 14	0.0	0.0	0.6	1.0	2.5	3.3	4.0	56.6	0.8
14 - 15	0.1	0.1	0.6	0.7	2.0	2.7	3.3	57.9	0.7
15 - 16	0.0	0.2	0.4	0.8	2.0	2.8	3.3	58.0	1.1
16 - 17	0.0	0.4	0.5	0.9	1.9	3.4	4.1	58.3	1.1
17 - 18	0.0	0.2	0.5	0.8	2.0	3.3	4.2	56.4	1.4
18 - 19	0.0	0.2	0.7	1.0	2.1	3.3	4.4	54.5	1.2
19 - 20	0.0	0.4	0.7	1.1	2.7	4.3	5.4	52.2	3.0
20 - 21	0.0	0.4	0.6	1.3	3.1	4.4	5.4	51.1	1.6
21 - 22	0.0	0.3	0.4	1.4	3.1	4.2	5.4	52.0	2.0
22 - 23	0.0	0.2	0.8	2.2	3.7	4.9	5.8	53.4	1.8
23 - 00	0.2	0.6	1.4	2.7	4.1	5.1	6.0	53.6	2.3

3.3.4. Hourly Ceiling per Month

Example (dark shading): In the 10 years period in January 19% of all observations between 04 and 05 UTC showed a base height of the lowest cloud layer of BKN or OVC below 1000 ft.

	Ceiling (ft) January								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.4	1.8	4.7	9.4	15.4	20.5	24.8	49.0	18.1
01 - 02	0.4	1.6	6.7	10.3	16.7	20.2	24.2	48.8	59.4
02 - 03	0.4	1.6	6.2	10.8	16.9	21.9	25.7	48.8	19.7
03 - 04	0.4	1.0	5.4	11.8	18.6	23.8	27.8	49.2	19.4
04 - 05	0.4	1.0	5.9	10.9	19.0	24.4	28.1	49.9	18.5
05 - 06	0.4	1.0	6.9	12.9	19.8	24.7	30.6	47.3	17.7
06 - 07	0.6	1.6	5.9	12.2	18.9	24.1	30.0	47.5	18.2
07 - 08	0.6	2.2	7.9	13.1	20.4	25.3	31.9	48.5	18.5
08 - 09	0.0	2.2	8.3	12.5	20.3	24.3	30.2	51.5	18.9
09 - 10	0.0	1.6	7.8	13.0	19.3	22.8	27.4	52.1	17.1
10 - 11	0.0	1.1	7.4	12.6	17.0	21.5	25.7	50.9	15.3
11 - 12	0.0	1.3	6.2	12.7	18.2	22.3	26.0	51.5	13.9
12 - 13	0.0	0.0	4.8	10.3	17.3	20.1	23.9	54.0	12.4
13 - 14	0.0	0.4	3.5	8.6	13.8	17.5	20.3	54.7	13.4
14 - 15	0.0	0.2	3.3	6.8	12.4	16.1	19.7	52.2	12.6
15 - 16	0.0	0.6	3.1	7.0	12.1	15.3	18.6	53.7	12.3
16 - 17	0.0	0.2	3.5	7.6	12.5	15.6	19.7	53.1	13.4
17 - 18	0.0	1.1	3.9	7.7	11.5	15.0	20.1	50.8	14.2
18 - 19	0.2	1.7	4.3	8.1	11.5	15.1	20.3	49.5	14.4
19 - 20	0.4	2.1	5.2	8.2	13.5	17.2	21.0	48.7	15.5
20 - 21	0.2	1.7	5.2	9.8	14.3	18.3	23.1	43.7	16.3
21 - 22	0.2	1.5	4.1	9.1	13.3	18.4	23.2	43.3	16.6
22 - 23	0.4	2.3	4.8	8.8	13.7	19.6	24.2	44.0	16.1
23 - 00	0.4	2.0	5.5	9.8	14.6	20.5	25.4	45.1	17.4

	Ceiling (ft) February								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.0	0.2	2.7	4.5	6.8	7.5	7.5	55.2	22.0
01 - 02	0.0	0.0	3.2	4.6	6.0	7.4	8.3	55.6	61.7
02 - 03	0.0	0.2	2.8	4.7	6.5	7.2	8.4	57.7	23.8
03 - 04	0.0	0.7	3.2	5.3	6.9	7.4	8.3	55.2	22.9
04 - 05	0.0	0.5	3.4	5.7	6.9	8.7	9.4	57.0	22.5
05 - 06	0.0	0.2	3.7	6.4	8.5	8.7	9.6	58.9	22.7
06 - 07	0.0	0.2	2.8	5.6	7.9	8.6	9.5	63.0	23.4
07 - 08	0.0	0.5	3.0	5.1	7.2	7.9	9.3	65.4	23.6
08 - 09	0.5	0.9	4.8	7.1	8.3	8.7	9.9	66.0	22.9
09 - 10	0.0	0.7	4.2	5.5	7.2	8.3	8.8	67.0	23.2
10 - 11	0.0	0.2	3.2	6.3	8.1	9.5	10.6	63.6	21.6
11 - 12	0.0	0.0	1.6	5.2	6.5	7.7	8.1	60.0	21.5
12 - 13	0.0	0.0	1.8	4.3	5.8	7.0	7.6	62.7	21.1
13 - 14	0.0	0.0	1.8	3.2	5.4	6.1	6.5	63.7	21.5
14 - 15	0.0	0.0	1.1	2.2	3.6	4.7	5.2	66.8	20.9
15 - 16	0.0	0.0	0.7	2.0	2.9	4.3	4.3	68.9	21.8
16 - 17	0.0	0.2	0.5	2.7	4.1	5.4	5.9	69.5	21.6
17 - 18	0.0	0.0	1.1	2.7	3.6	5.0	5.4	62.6	21.8
18 - 19	0.0	0.0	1.4	2.7	4.8	5.7	5.9	58.3	22.2
19 - 20	0.2	0.5	1.8	4.1	5.5	6.4	6.8	57.1	22.3
20 - 21	0.0	0.0	2.3	3.2	5.0	5.4	5.9	55.6	21.8
21 - 22	0.0	0.0	2.0	3.8	5.2	5.6	6.1	56.5	21.3
22 - 23	0.0	0.0	2.5	5.0	6.3	7.0	7.2	54.8	21.6
23 - 00	0.0	0.2	3.2	5.2	6.8	7.3	7.3	56.9	21.8

	Ceiling (ft) March								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.0	0.0	0.0	0.3	0.5	1.0	1.0	40.6	2.3
01 - 02	0.0	0.0	0.0	0.3	0.3	1.3	1.3	41.9	50.3
02 - 03	0.0	0.0	0.0	0.2	0.2	0.8	0.8	42.7	0.6
03 - 04	0.0	0.0	0.0	0.0	0.0	0.3	0.3	45.4	1.1
04 - 05	0.0	0.0	0.0	0.0	0.0	0.0	0.5	45.7	1.1
05 - 06	0.2	0.3	0.3	0.5	0.5	0.7	1.3	48.7	1.3
06 - 07	0.0	0.0	0.0	0.3	0.5	0.5	0.8	50.8	2.6
07 - 08	0.0	0.2	0.3	0.7	0.7	0.7	0.8	52.9	3.1
08 - 09	0.0	0.0	0.3	0.3	0.7	0.7	0.7	51.2	2.6
09 - 10	0.0	0.2	0.3	0.5	0.8	1.1	1.1	51.7	1.8
10 - 11	0.0	0.0	0.0	0.2	0.5	0.7	0.7	50.7	1.0
11 - 12	0.0	0.0	0.2	0.2	0.5	0.7	0.7	50.1	1.5
12 - 13	0.0	0.0	0.0	0.2	0.3	0.3	0.7	47.1	1.0
13 - 14	0.0	0.0	0.0	0.0	0.3	0.3	0.5	47.7	1.0
14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.9	0.2
15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.3	0.5
16 - 17	0.2	0.2	0.2	0.2	0.6	0.6	0.6	47.5	0.5
17 - 18	0.0	0.0	0.0	0.0	1.0	1.0	1.0	45.5	0.6
18 - 19	0.0	0.0	0.0	0.0	1.0	1.0	1.0	41.6	0.8
19 - 20	0.0	0.0	0.0	0.2	0.8	0.8	0.8	38.2	2.6
20 - 21	0.0	0.0	0.0	0.3	0.8	1.0	1.0	37.8	0.6
21 - 22	0.0	0.0	0.0	0.3	0.7	1.0	1.0	37.2	0.8
22 - 23	0.0	0.0	0.0	0.3	0.7	1.0	1.0	37.0	1.1
23 - 00	0.0	0.0	0.0	0.3	0.7	1.0	1.0	37.8	1.5

	Ceiling (ft) April								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.0	0.0	0.3	0.3	0.3	0.5	0.9	50.5	2.0
01 - 02	0.0	0.0	0.3	0.3	0.3	0.3	0.7	50.2	51.2
02 - 03	0.0	0.0	0.5	0.5	0.5	0.7	0.8	51.4	0.8
03 - 04	0.0	0.0	0.2	0.3	0.3	0.3	0.7	54.9	1.0
04 - 05	0.0	0.0	0.0	0.2	0.5	0.5	0.7	57.2	1.2
05 - 06	0.0	0.0	0.0	0.0	0.5	0.7	0.7	61.7	1.3
06 - 07	0.0	0.0	0.0	0.0	0.0	0.5	0.7	60.0	0.8
07 - 08	0.0	0.0	0.0	0.0	0.7	1.0	1.0	59.4	1.5
08 - 09	0.0	0.0	0.0	0.0	0.5	0.8	1.7	55.6	1.2
09 - 10	0.0	0.0	0.0	0.0	0.3	0.5	0.7	57.0	0.8
10 - 11	0.0	0.0	0.0	0.0	0.3	0.5	1.2	58.5	1.2
11 - 12	0.0	0.0	0.0	0.0	0.2	0.8	1.2	59.3	1.0
12 - 13	0.0	0.0	0.0	0.3	0.3	1.0	1.0	60.7	0.8
13 - 14	0.0	0.0	0.0	0.3	0.3	0.7	0.7	62.2	1.2
14 - 15	0.0	0.0	0.0	0.5	0.7	1.0	1.0	59.9	1.2
15 - 16	0.0	0.0	0.0	0.3	0.7	0.8	0.8	59.5	0.8
16 - 17	0.0	0.0	0.2	0.5	0.5	0.7	0.7	59.9	1.0
17 - 18	0.0	0.0	0.2	0.5	0.5	0.5	0.5	58.1	0.7
18 - 19	0.0	0.0	0.0	0.3	0.5	0.5	0.5	55.7	1.0
19 - 20	0.0	0.0	0.0	0.2	0.5	0.7	0.7	50.5	2.7
20 - 21	0.0	0.0	0.0	0.0	0.2	0.5	0.5	49.5	1.0
21 - 22	0.0	0.0	0.2	0.5	0.8	0.8	0.8	50.6	1.2
22 - 23	0.0	0.0	0.0	0.5	0.7	0.7	1.2	47.7	1.5
23 - 00	0.0	0.0	0.3	0.7	0.7	0.7	1.0	47.6	0.8

	Ceiling (ft) May								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.0	0.0	0.0	0.0	0.3	0.3	0.3	47.8	2.4
01 - 02	0.0	0.0	0.0	0.0	0.3	0.3	0.3	50.5	50.8
02 - 03	0.0	0.0	0.0	0.0	0.2	0.2	0.2	50.2	1.0
03 - 04	0.0	0.2	0.5	0.5	0.5	0.5	0.5	52.6	0.6
04 - 05	0.0	0.0	0.0	0.3	0.7	1.1	1.3	58.0	1.0
05 - 06	0.0	0.0	0.0	0.0	0.0	0.2	0.5	57.9	1.1
06 - 07	0.0	0.2	0.6	0.6	0.6	0.6	0.8	56.0	0.6
07 - 08	0.0	0.0	0.0	0.5	0.5	0.5	0.5	53.4	0.0
08 - 09	0.0	0.0	0.0	0.5	0.5	0.6	0.6	53.1	0.0
09 - 10	0.0	0.0	0.0	0.0	0.2	0.2	0.2	52.4	0.5
10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.3	51.9	0.2
11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.7	0.0
12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.8	0.2
13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	0.3
14 - 15	0.0	0.0	0.0	0.0	0.0	0.2	0.2	54.6	0.2
15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.0	0.0
16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.4	0.2
17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5	0.6
18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.6	0.5
19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.0	0.8
20 - 21	0.0	0.0	0.0	0.2	0.2	0.2	0.2	50.3	0.6
21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	1.0
22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.1	0.3
23 - 00	0.0	0.0	0.0	0.2	0.3	0.3	0.3	48.8	1.5

	Ceiling (ft) June								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	2.0
01 - 02	0.0	0.0	0.0	0.0	0.3	0.3	0.3	37.2	50.7
02 - 03	0.0	0.0	0.0	0.0	0.3	0.3	0.3	35.9	1.0
03 - 04	0.0	0.0	0.3	0.3	0.5	1.0	1.3	38.7	0.5
04 - 05	0.2	0.2	0.3	0.7	1.0	1.7	2.7	42.9	0.5
05 - 06	0.0	0.3	0.3	0.3	1.3	1.7	1.8	43.2	0.5
06 - 07	0.0	0.0	0.2	0.3	1.3	1.7	2.0	40.6	0.2
07 - 08	0.0	0.0	0.0	0.0	0.3	1.2	1.5	39.4	0.5
08 - 09	0.0	0.0	0.0	0.0	0.5	0.8	1.2	39.0	0.0
09 - 10	0.0	0.0	0.0	0.0	0.0	0.3	0.3	39.8	0.0
10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.3	41.5	0.0
11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.4	0.2
12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.6	0.5
13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.7	0.3
14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.9	0.2
15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.2	44.9	0.5
16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.7	0.2
17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.2	0.2
18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.9	0.2
19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.8	1.8
20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.2	0.5
21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.9	0.7
22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.3	38.1	0.7
23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.4	0.7

	Ceiling (ft) July								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.9	1.6
01 - 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.3	50.6
02 - 03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.9	1.0
03 - 04	0.2	0.2	0.2	0.2	0.2	0.3	0.3	41.6	1.1
04 - 05	0.0	0.0	0.0	0.0	0.0	0.3	0.5	44.0	1.3
05 - 06	0.0	0.2	0.3	0.3	0.3	0.3	0.3	46.5	0.5
06 - 07	0.0	0.0	0.2	0.2	0.2	0.3	0.5	43.3	0.5
07 - 08	0.0	0.0	0.0	0.0	0.3	0.3	0.3	42.1	1.1
08 - 09	0.0	0.0	0.0	0.0	0.0	0.2	0.2	41.8	0.5
09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	0.8
10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.7	0.3
11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.4	0.5
12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.8	0.3
13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.8	1.0
14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.2	0.2
15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.6	0.2
16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.9	0.3
17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.7	0.2
18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.9	0.5
19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.2	1.1
20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.4	0.2
21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.5	0.8
22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.2	1.0
23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.1	1.0

	Ceiling (ft) August								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.0	0.0	0.0	0.2	0.2	0.2	0.2	31.4	1.9
01 - 02	0.0	0.0	0.0	0.3	0.3	0.7	0.7	35.8	51.3
02 - 03	0.0	0.0	0.0	0.3	0.3	0.5	0.5	34.9	1.1
03 - 04	0.0	0.0	0.2	0.3	0.3	0.3	0.3	38.2	1.3
04 - 05	0.0	0.0	0.5	0.5	0.5	0.6	1.0	39.2	0.5
05 - 06	0.0	0.0	0.3	0.3	0.3	0.8	1.1	41.1	0.0
06 - 07	0.0	0.0	0.3	0.3	0.3	1.0	1.0	41.4	0.2
07 - 08	0.0	0.0	0.0	0.3	0.3	1.0	1.5	41.6	0.3
08 - 09	0.0	0.0	0.0	0.0	0.2	0.3	0.5	39.6	0.2
09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.6	0.2
10 - 11	0.0	0.0	0.0	0.0	0.0	0.2	0.2	38.9	0.2
11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.8	0.3
12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.9	0.0
13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.4	0.6
14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.4	0.3
15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.8	0.6
16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.3	0.0
17 - 18	0.0	0.0	0.0	0.0	0.0	0.2	0.2	42.3	0.0
18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.4	0.3
19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5	2.1
20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.1	1.0
21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.8	0.8
22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.9	1.0
23 - 00	0.0	0.0	0.0	0.0	0.0	0.3	0.3	32.5	0.6

	Ceiling (ft) September								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.0	0.0	0.2	0.3	0.8	1.2	1.5	48.9	1.2
01 - 02	0.0	0.0	0.0	0.7	1.7	1.7	2.7	49.5	50.5
02 - 03	0.0	0.0	0.2	1.0	1.3	1.7	2.2	50.3	1.0
03 - 04	0.0	0.2	0.7	0.8	1.0	2.2	2.5	52.5	1.5
04 - 05	0.0	0.3	0.3	0.3	0.7	1.5	1.5	56.2	1.0
05 - 06	0.0	0.0	1.0	1.0	1.4	2.2	2.2	57.4	1.3
06 - 07	0.0	0.0	0.5	0.7	0.8	2.2	3.5	56.9	0.3
07 - 08	0.0	0.0	0.8	1.2	1.8	2.3	2.7	56.4	0.5
08 - 09	0.0	0.0	0.2	0.8	1.8	2.0	2.2	55.9	0.2
09 - 10	0.0	0.0	0.0	0.7	1.2	2.2	2.3	52.8	0.0
10 - 11	0.0	0.0	0.3	0.8	1.3	2.2	2.3	50.4	0.2
11 - 12	0.0	0.0	0.2	0.7	1.3	1.5	2.2	51.2	0.3
12 - 13	0.0	0.0	0.0	0.0	0.3	0.7	0.7	49.8	0.7
13 - 14	0.0	0.0	0.0	0.0	0.0	0.3	0.3	47.3	0.7
14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.2	48.7	0.2
15 - 16	0.0	0.0	0.0	0.3	0.3	0.3	0.3	48.8	0.3
16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.4	0.7
17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.2	52.4	0.8
18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.3	49.5	0.3
19 - 20	0.0	0.0	0.0	0.0	0.2	0.2	0.5	46.3	1.8
20 - 21	0.0	0.0	0.0	0.0	0.2	0.3	0.5	46.7	0.2
21 - 22	0.0	0.0	0.0	0.3	0.3	1.0	1.5	45.2	0.5
22 - 23	0.0	0.0	0.2	0.5	1.0	1.5	1.5	45.9	0.2
23 - 00	0.0	0.0	0.3	0.7	1.2	1.3	1.5	47.6	1.2

	Ceiling (ft) October								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.0	0.7	0.8	1.8	3.2	3.5	4.8	52.9	2.7
01 - 02	0.0	0.7	1.7	3.7	4.7	5.0	7.0	54.2	51.8
02 - 03	0.5	1.3	3.3	4.0	6.0	7.0	9.3	53.5	3.2
03 - 04	0.3	1.7	3.2	3.6	5.6	7.3	9.0	54.7	4.8
04 - 05	0.2	2.5	4.9	5.8	9.0	9.5	11.8	56.7	4.7
05 - 06	0.2	1.9	4.5	4.6	7.9	9.0	11.4	58.2	6.3
06 - 07	0.3	0.7	3.8	5.4	8.3	9.6	12.2	59.7	7.3
07 - 08	0.2	0.3	3.8	6.5	8.4	10.0	13.4	59.6	6.1
08 - 09	0.0	0.5	2.4	4.7	8.8	10.5	13.7	55.9	4.8
09 - 10	0.0	0.3	2.5	4.0	8.3	11.1	13.7	55.5	2.4
10 - 11	0.0	0.2	1.1	2.9	6.0	9.1	11.5	56.7	0.5
11 - 12	0.0	0.0	0.5	1.1	3.4	5.8	7.8	57.5	0.5
12 - 13	0.0	0.0	0.3	0.6	1.9	3.1	4.7	57.4	0.5
13 - 14	0.0	0.0	0.2	0.3	1.0	1.9	2.6	57.2	0.2
14 - 15	0.0	0.0	0.0	0.3	1.1	1.3	1.8	59.5	0.5
15 - 16	0.0	0.0	0.0	0.3	1.0	1.3	1.3	59.6	0.6
16 - 17	0.0	0.0	0.2	0.3	0.8	1.3	1.3	60.3	0.2
17 - 18	0.0	0.0	0.3	0.3	0.6	1.1	1.6	57.4	0.2
18 - 19	0.0	0.0	0.3	0.6	0.6	1.5	2.8	54.3	0.5
19 - 20	0.0	0.3	0.5	0.8	1.6	3.0	3.6	54.0	1.8
20 - 21	0.0	0.3	0.3	1.0	2.1	2.9	3.9	50.5	1.3
21 - 22	0.0	0.7	0.8	1.5	2.6	3.1	3.9	52.0	1.3
22 - 23	0.0	0.7	0.8	1.6	3.1	3.1	4.7	52.7	1.5
23 - 00	0.2	1.1	1.5	2.1	3.4	3.6	5.1	53.7	1.8

	Ceiling (ft) November								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.3	1.0	2.4	5.3	8.4	11.4	12.6	58.9	3.2
01 - 02	0.0	1.0	2.7	4.5	7.9	13.1	14.4	61.2	51.5
02 - 03	0.0	1.2	2.8	5.7	8.8	13.1	14.5	59.4	3.2
03 - 04	0.0	1.0	2.6	5.7	10.1	13.2	15.9	60.5	4.3
04 - 05	0.3	1.0	2.3	6.6	10.4	13.0	15.6	61.5	4.0
05 - 06	0.2	0.5	2.3	6.1	10.3	14.1	17.6	59.3	4.2
06 - 07	0.2	0.3	2.3	6.3	11.0	14.8	17.5	58.6	4.5
07 - 08	0.0	0.5	2.1	6.4	10.4	15.0	18.0	62.5	3.5
08 - 09	0.0	0.3	2.1	5.7	10.1	14.1	18.8	60.3	4.2
09 - 10	0.0	0.5	1.9	6.6	9.3	14.2	19.0	59.1	3.5
10 - 11	0.0	0.3	2.2	5.8	9.4	13.7	18.4	60.5	2.8
11 - 12	0.0	0.0	2.1	4.3	9.1	11.5	16.1	59.1	2.7
12 - 13	0.0	0.0	1.7	3.1	7.0	9.5	12.4	62.1	2.0
13 - 14	0.0	0.0	1.7	2.7	6.6	7.8	9.3	65.3	1.5
14 - 15	0.2	0.3	1.7	1.9	4.9	6.8	8.1	65.5	1.5
15 - 16	0.0	0.5	1.4	1.9	4.8	7.0	8.5	65.7	2.3
16 - 17	0.0	1.2	1.4	2.4	5.0	9.1	11.1	61.4	2.5
17 - 18	0.0	0.7	1.2	2.1	5.3	9.1	11.0	59.5	3.3
18 - 19	0.0	0.7	1.7	2.4	5.7	8.7	10.4	59.8	2.7
19 - 20	0.0	0.9	1.6	2.5	6.3	10.1	12.3	56.3	5.5
20 - 21	0.0	0.9	1.4	2.9	7.2	10.0	12.1	56.4	3.3
21 - 22	0.0	0.3	0.5	2.4	6.6	8.7	11.1	59.0	4.2
22 - 23	0.0	0.0	1.6	4.5	7.1	10.2	11.4	61.9	3.8
23 - 00	0.3	0.5	2.4	5.4	7.8	10.6	11.6	59.6	3.8

	Ceiling (ft) December								
Time (UTC)	< 200	< 300	< 500	< 700	< 1000	< 1200	< 1500	≥ 1500	NA
00 - 01	0.2	0.9	3.6	5.5	9.4	11.8	14.5	61.4	5.5
01 - 02	0.0	1.4	3.4	5.4	9.8	12.8	14.9	61.8	52.3
02 - 03	0.2	1.2	3.9	7.0	10.9	13.8	15.8	63.3	5.2
03 - 04	0.0	1.2	4.7	7.4	11.9	14.3	16.4	63.7	6.6
04 - 05	0.0	1.0	5.2	7.7	11.7	13.9	16.8	62.9	6.1
05 - 06	0.5	1.2	5.0	7.4	12.0	14.6	16.8	63.1	6.0
06 - 07	0.2	1.0	4.6	8.0	10.9	14.5	18.1	62.1	5.5
07 - 08	0.0	0.9	5.3	7.3	10.9	14.5	17.3	63.8	5.2
08 - 09	0.3	0.9	5.5	7.0	11.5	16.5	19.1	62.5	6.1
09 - 10	0.3	0.8	4.6	6.3	12.2	15.8	19.2	61.4	4.8
10 - 11	0.2	0.5	4.0	6.2	12.5	14.6	18.0	62.9	3.1
11 - 12	0.0	0.7	4.6	7.4	12.1	14.5	17.5	62.3	2.4
12 - 13	0.0	0.5	2.8	5.4	9.5	11.6	14.4	62.5	1.6
13 - 14	0.0	0.3	2.9	4.4	9.2	11.3	13.9	64.1	1.3
14 - 15	0.2	0.3	2.3	2.9	7.0	9.5	11.9	67.6	1.3
15 - 16	0.3	0.7	2.3	3.3	6.7	9.2	11.7	68.0	1.8
16 - 17	0.3	0.7	2.8	4.6	7.2	10.0	12.6	64.7	1.8
17 - 18	0.2	1.5	2.8	4.4	7.4	10.8	13.3	62.4	1.8
18 - 19	0.0	1.7	2.8	5.0	7.6	10.6	13.1	61.5	2.4
19 - 20	0.0	1.7	2.7	5.4	8.9	10.4	13.2	62.0	3.5
20 - 21	0.0	1.3	2.7	5.6	8.6	10.8	13.5	60.0	2.9
21 - 22	0.2	1.7	3.1	5.3	8.9	11.3	13.2	60.9	2.6
22 - 23	0.3	1.5	3.1	5.6	9.3	11.6	13.6	63.1	2.6
23 - 00	0.3	1.5	4.2	6.2	10.0	11.5	13.9	63.3	3.4

3.4. Runway Visual Range (RVR) and Ceiling

3.4.1. Hourly RVR and Ceiling 10 Years

Cumulative frequencies in percent of runway visual range **or** the base height of the lowest cloud layer of BKN or OVC extent below specified values at specified times (months in 3.4.2.). Frequencies are calculated relative to all potentially possible observations each hour (month) minus the not available (NA) observations. The value of NA is calculated relative to the potentially possible observations. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomena were observed.

Example (dark shading): In the 10 years period 3.6% of all observations between 06 and 07 UTC showed a RVR below 1500 m or a base height of the lowest cloud layer of BKN or OVC below 300 ft.

10 Years							
RVR (m)	**<50**	**<200**	**<350**	**<550**	**<1500**	**≥1500**	**NA**
Ceiling (ft)			**<100**	**<200**	**<300**	**≥300**	
00 - 01	0.0	0.0	0.1	0.9	2.5	98.0	3.9
01 - 02	0.0	0.0	0.1	1.1	3.1	97.6	51.8
02 - 03	0.0	0.0	0.2	1.1	3.3	97.3	3.2
03 - 04	0.0	0.0	0.2	1.1	3.5	97.1	3.4
04 - 05	0.0	0.0	0.3	1.3	4.0	96.7	3.0
05 - 06	0.0	0.0	0.3	1.3	3.8	96.9	2.9
06 - 07	0.0	0.0	0.5	1.5	3.6	97.0	2.9
07 - 08	0.0	0.0	0.7	1.3	3.3	97.4	3.0
08 - 09	0.0	0.0	0.6	1.1	2.9	97.7	3.0
09 - 10	0.0	0.0	0.4	0.7	2.1	98.4	2.9
10 - 11	0.0	0.0	0.2	0.3	1.4	99.1	2.8
11 - 12	0.0	0.0	0.1	0.1	1.0	99.4	3.0
12 - 13	0.0	0.0	0.0	0.1	0.5	99.7	2.9
13 - 14	0.0	0.0	0.0	0.1	0.4	99.7	3.1
14 - 15	0.0	0.0	0.0	0.1	0.5	99.8	2.9
15 - 16	0.0	0.0	0.1	0.1	0.5	99.7	2.9
16 - 17	0.0	0.0	0.1	0.2	0.7	99.5	2.9
17 - 18	0.0	0.0	0.1	0.2	0.8	99.5	3.0
18 - 19	0.0	0.0	0.1	0.3	1.1	99.4	3.0
19 - 20	0.0	0.0	0.1	0.3	1.2	99.2	4.3
20 - 21	0.0	0.0	0.0	0.3	1.3	99.0	3.1
21 - 22	0.0	0.0	0.1	0.3	1.5	98.8	3.2
22 - 23	0.0	0.0	0.1	0.4	1.7	98.7	3.1
23 - 00	0.0	0.0	0.2	0.6	2.1	98.4	3.4

3.4.2. Monthly RVR and Ceiling 10 Years

Example (dark shading): In the 10 years period 3.5% of all observations in October showed a RVR below 1500 m or a base height of the lowest cloud layer of BKN or OVC below 300 ft.

	10 Years							
	RVR (m)	**<50**	**<200**	**<350**	**<550**	**<1500**	**≥1500**	**NA**
	Ceiling (ft)			**<100**	**<200**	**<300**	**≥300**	
Time (Month)	**January**	0.0	0.0	0.5	2.1	7.2	94.6	13.4
	February	0.0	0.0	0.3	1.0	2.5	98.0	22.2
	March	0.0	0.0	0.2	0.3	0.5	99.6	2.8
	April	0.0	0.0	0.0	0.0	0.1	100.0	3.2
	May	0.0	0.0	0.0	0.1	0.3	99.8	2.5
	June	0.0	0.0	0.0	0.0	0.1	99.9	2.6
	July	0.0	0.0	0.0	0.0	0.0	100.0	2.7
	August	0.0	0.0	0.0	0.1	0.1	99.9	2.7
	September	0.0	0.0	0.0	0.2	0.5	99.6	2.6
	October	0.0	0.0	0.6	1.6	3.5	97.1	2.5
	November	0.0	0.0	0.2	0.5	3.3	97.4	3.2
	December	0.0	0.0	0.4	1.6	5.6	95.9	2.6

3.4.3. Hourly RVR and Ceiling per Season

Example (dark shading): In the 10 years period in winter 8.2% of all observations between 06 and 07 UTC showed a RVR below 1500 m or a base height of the lowest cloud layer of BKN or OVC below 300 ft.

	Winter (Dec/Jan/Feb)							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.2	2.4	7.4	94.2	10.9
	01 - 02	0.0	0.0	0.1	2.7	8.0	93.5	55.4
	02 - 03	0.0	0.0	0.4	2.5	8.5	92.9	11.0
	03 - 04	0.0	0.0	0.4	2.4	8.1	93.4	11.1
	04 - 05	0.0	0.0	0.4	2.6	8.5	92.9	10.5
	05 - 06	0.0	0.0	0.4	3.0	8.5	92.9	10.2
	06 - 07	0.0	0.0	0.3	2.7	8.2	93.4	10.4
	07 - 08	0.0	0.0	0.9	2.9	8.8	92.8	10.4
	08 - 09	0.0	0.1	1.6	3.2	8.6	93.8	10.9
	09 - 10	0.0	0.1	1.2	2.6	6.7	94.7	10.4
	10 - 11	0.0	0.0	0.7	1.3	5.0	96.8	10.3
	11 - 12	0.0	0.0	0.3	0.6	3.5	97.8	10.5
	12 - 13	0.0	0.0	0.1	0.3	1.7	99.0	10.3
	13 - 14	0.0	0.0	0.1	0.5	1.6	99.1	10.6
	14 - 15	0.0	0.0	0.1	0.2	1.5	99.2	10.5
	15 - 16	0.0	0.0	0.2	0.6	1.4	99.2	10.3
	16 - 17	0.0	0.0	0.2	0.7	1.8	98.8	10.3
	17 - 18	0.0	0.0	0.2	0.9	2.7	98.4	10.5
	18 - 19	0.0	0.0	0.2	1.1	3.6	98.0	10.6
	19 - 20	0.0	0.0	0.2	0.9	3.7	97.6	11.3
	20 - 21	0.0	0.0	0.2	1.1	4.1	97.1	10.6
	21 - 22	0.0	0.0	0.3	0.9	4.4	96.6	10.3
	22 - 23	0.0	0.0	0.3	1.2	5.3	96.1	10.4
	23 - 00	0.0	0.0	0.6	1.7	6.1	95.5	10.8

	Spring (Mar/Apr/May)							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.0	0.2	0.3	99.7	2.0
	01 - 02	0.0	0.0	0.0	0.1	0.3	99.9	50.7
	02 - 03	0.0	0.0	0.2	0.3	0.5	99.5	0.6
	03 - 04	0.0	0.0	0.1	0.2	0.8	99.2	0.8
	04 - 05	0.0	0.1	0.1	0.4	0.8	99.2	0.7
	05 - 06	0.0	0.0	0.1	0.3	0.7	99.5	0.5
	06 - 07	0.0	0.1	0.3	0.4	0.5	99.5	0.4
	07 - 08	0.0	0.0	0.3	0.4	0.5	99.6	0.8
	08 - 09	0.0	0.0	0.2	0.2	0.5	99.5	0.5
	09 - 10	0.0	0.0	0.1	0.1	0.2	99.8	0.5
	10 - 11	0.0	0.0	0.0	0.1	0.2	99.9	0.4
	11 - 12	0.0	0.0	0.0	0.0	0.1	99.9	0.5
	12 - 13	0.0	0.0	0.0	0.0	0.0	100.0	0.4
	13 - 14	0.0	0.0	0.0	0.0	0.1	100.0	0.8
	14 - 15	0.0	0.0	0.0	0.0	0.2	100.0	0.5
	15 - 16	0.0	0.0	0.0	0.0	0.2	100.0	0.4
	16 - 17	0.0	0.0	0.1	0.1	0.2	100.0	0.5
	17 - 18	0.0	0.0	0.0	0.0	0.0	100.0	0.6
	18 - 19	0.0	0.0	0.1	0.1	0.1	99.9	0.8
	19 - 20	0.0	0.0	0.1	0.1	0.1	99.9	2.0
	20 - 21	0.0	0.0	0.0	0.1	0.1	99.9	0.8
	21 - 22	0.0	0.0	0.0	0.0	0.2	99.9	0.9
	22 - 23	0.0	0.0	0.0	0.1	0.1	99.9	0.9
	23 - 00	0.0	0.0	0.0	0.0	0.4	99.7	1.3

	Summer (Jun/Jul/Aug)							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.1	0.1	0.1	99.9	1.8
	01 - 02	0.0	0.0	0.0	0.0	0.1	99.9	50.8
	02 - 03	0.0	0.0	0.1	0.2	0.3	99.7	0.9
	03 - 04	0.0	0.0	0.0	0.3	0.4	99.6	0.8
	04 - 05	0.0	0.0	0.1	0.2	0.3	99.7	0.6
	05 - 06	0.0	0.0	0.1	0.1	0.3	99.8	0.3
	06 - 07	0.0	0.0	0.1	0.1	0.1	99.9	0.3
	07 - 08	0.0	0.0	0.0	0.0	0.0	100.0	0.7
	08 - 09	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	10 - 11	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	12 - 13	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	13 - 14	0.0	0.0	0.0	0.0	0.0	100.0	0.6
	14 - 15	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	100.0	0.4
	16 - 17	0.0	0.0	0.0	0.0	0.1	100.0	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	100.0	0.1
	18 - 19	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	19 - 20	0.0	0.0	0.0	0.0	0.0	100.0	1.7
	20 - 21	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	21 - 22	0.0	0.0	0.0	0.0	0.0	100.0	0.8
	22 - 23	0.0	0.0	0.0	0.0	0.1	99.9	0.8
	23 - 00	0.0	0.0	0.0	0.0	0.1	99.9	0.8

	Autumn (Sep/Oct/Nov)							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.2	1.1	2.7	97.8	1.1
	01 - 02	0.0	0.0	0.2	1.5	4.4	96.5	50.3
	02 - 03	0.0	0.0	0.3	1.7	4.4	96.7	0.5
	03 - 04	0.0	0.0	0.3	1.7	5.2	95.7	1.2
	04 - 05	0.0	0.0	0.7	2.2	6.7	94.6	0.5
	05 - 06	0.0	0.0	0.5	2.0	6.3	94.8	0.5
	06 - 07	0.0	0.0	1.3	3.0	6.3	94.8	0.7
	07 - 08	0.0	0.0	1.6	2.3	4.7	96.6	0.4
	08 - 09	0.0	0.0	0.7	1.2	3.2	97.2	0.6
	09 - 10	0.0	0.0	0.2	0.3	1.9	98.5	0.5
	10 - 11	0.0	0.1	0.1	0.1	0.8	99.4	0.4
	11 - 12	0.0	0.0	0.0	0.0	0.6	99.6	0.6
	12 - 13	0.0	0.0	0.0	0.0	0.3	99.7	0.7
	13 - 14	0.0	0.0	0.0	0.0	0.2	99.8	0.6
	14 - 15	0.0	0.0	0.0	0.1	0.4	99.8	0.5
	15 - 16	0.0	0.0	0.0	0.1	0.6	99.7	0.7
	16 - 17	0.0	0.0	0.0	0.1	0.9	99.3	0.7
	17 - 18	0.0	0.0	0.1	0.2	0.8	99.4	0.8
	18 - 19	0.0	0.0	0.1	0.2	1.1	99.3	0.5
	19 - 20	0.0	0.0	0.2	0.2	1.4	99.1	2.3
	20 - 21	0.0	0.0	0.0	0.3	1.5	98.6	0.5
	21 - 22	0.0	0.0	0.0	0.2	1.8	98.6	0.9
	22 - 23	0.0	0.0	0.1	0.4	1.7	98.6	0.5
	23 - 00	0.0	0.0	0.1	0.7	2.4	98.0	0.9

3.4.4. Hourly RVR and Ceiling per Month

Example (dark shading): In the 10 years period in January 10.4% of all observations between 06 and 07 UTC showed a RVR below 1500 m or a base height of the lowest cloud layer of BKN or OVC below 300 ft.

	January							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.4	3.3	10.8	91.9	11.9
	01 - 02	0.0	0.0	0.0	3.7	11.0	91.6	56.0
	02 - 03	0.0	0.0	0.9	3.5	12.7	89.5	12.3
	03 - 04	0.0	0.0	0.0	3.5	11.9	90.1	11.6
	04 - 05	0.0	0.0	0.5	3.1	11.1	90.5	11.3
	05 - 06	0.0	0.0	0.4	3.6	10.0	91.8	11.1
	06 - 07	0.0	0.0	0.4	3.3	10.4	91.6	11.3
	07 - 08	0.0	0.0	1.1	3.8	11.4	90.7	11.1
	08 - 09	0.0	0.0	2.4	3.5	11.3	91.6	11.6
	09 - 10	0.0	0.0	2.0	3.6	8.4	93.1	11.3
	10 - 11	0.0	0.0	1.3	2.2	7.6	94.9	11.3
	11 - 12	0.0	0.0	0.9	1.3	5.3	96.4	11.6
	12 - 13	0.0	0.0	0.2	0.5	1.8	98.6	11.0
	13 - 14	0.0	0.0	0.2	0.9	2.4	98.7	11.6
	14 - 15	0.0	0.0	0.0	0.4	2.2	99.1	11.6
	15 - 16	0.0	0.0	0.2	0.5	2.0	99.3	11.0
	16 - 17	0.0	0.0	0.2	0.7	2.2	98.6	11.0
	17 - 18	0.0	0.0	0.2	1.1	3.5	97.8	11.6
	18 - 19	0.0	0.0	0.0	1.5	5.1	97.1	11.5
	19 - 20	0.0	0.0	0.0	1.3	5.3	96.3	12.3
	20 - 21	0.0	0.0	0.0	1.3	5.5	95.8	11.6
	21 - 22	0.0	0.0	0.2	0.7	6.2	95.3	11.3
	22 - 23	0.0	0.0	0.5	1.5	7.5	94.5	11.6
	23 - 00	0.0	0.0	0.4	1.5	9.2	92.8	12.1

	February							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.4	1.1	2.5	97.8	20.6
	01 - 02	0.0	0.0	0.0	2.3	3.6	96.8	60.6
	02 - 03	0.0	0.0	0.2	1.1	4.5	96.2	21.3
	03 - 04	0.0	0.0	0.5	1.6	3.8	97.3	21.3
	04 - 05	0.0	0.0	0.2	1.3	4.5	96.4	20.6
	05 - 06	0.0	0.0	0.4	2.0	4.7	95.8	20.4
	06 - 07	0.0	0.0	0.4	2.0	5.1	96.0	20.4
	07 - 08	0.0	0.0	0.9	2.4	5.1	95.5	20.4
	08 - 09	0.0	0.0	0.0	2.5	5.1	96.4	20.7
	09 - 10	0.0	0.2	0.4	1.6	4.7	96.2	20.4
	10 - 11	0.0	0.0	0.0	0.4	2.2	98.2	20.4
	11 - 12	0.0	0.0	0.0	0.0	0.9	99.1	20.4
	12 - 13	0.0	0.0	0.0	0.0	0.4	99.6	20.4
	13 - 14	0.0	0.0	0.0	0.0	0.0	100.0	20.7
	14 - 15	0.0	0.0	0.0	0.0	0.0	100.0	20.6
	15 - 16	0.0	0.0	0.0	0.0	0.0	100.0	20.6
	16 - 17	0.0	0.0	0.2	0.2	0.4	99.8	20.4
	17 - 18	0.0	0.0	0.4	0.7	0.9	99.1	20.2
	18 - 19	0.0	0.0	0.7	0.9	1.6	98.7	20.4
	19 - 20	0.0	0.0	0.7	0.9	1.8	98.7	20.7
	20 - 21	0.0	0.0	0.2	0.9	1.8	98.7	20.6
	21 - 22	0.0	0.0	0.2	0.7	1.6	98.7	20.4
	22 - 23	0.0	0.0	0.0	0.4	1.6	98.4	20.6
	23 - 00	0.0	0.0	0.9	1.6	2.7	98.0	20.7

	March							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.0	0.0	0.0	100.0	2.3
	01 - 02	0.0	0.0	0.0	0.0	0.0	100.0	50.3
	02 - 03	0.0	0.0	0.2	0.2	0.8	99.2	0.6
	03 - 04	0.0	0.0	0.2	0.7	1.3	98.7	1.0
	04 - 05	0.0	0.2	0.3	1.0	1.3	98.7	0.8
	05 - 06	0.0	0.0	0.2	0.6	1.5	99.2	0.2
	06 - 07	0.0	0.3	1.0	1.0	1.1	98.9	0.3
	07 - 08	0.0	0.0	1.0	1.1	1.5	98.7	0.8
	08 - 09	0.0	0.0	0.5	0.6	1.5	98.5	0.5
	09 - 10	0.0	0.0	0.3	0.3	0.6	99.5	0.2
	10 - 11	0.0	0.0	0.0	0.2	0.5	99.7	0.0
	11 - 12	0.0	0.0	0.0	0.0	0.3	99.8	0.6
	12 - 13	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	13 - 14	0.0	0.0	0.0	0.0	0.0	100.0	0.8
	14 - 15	0.0	0.0	0.0	0.0	0.3	100.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.3	100.0	0.3
	16 - 17	0.0	0.0	0.2	0.2	0.2	100.0	0.3
	17 - 18	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	18 - 19	0.0	0.0	0.2	0.2	0.2	99.8	0.8
	19 - 20	0.0	0.0	0.2	0.3	0.3	99.7	2.6
	20 - 21	0.0	0.0	0.0	0.2	0.2	99.8	0.6
	21 - 22	0.0	0.0	0.0	0.0	0.0	100.0	0.8
	22 - 23	0.0	0.0	0.0	0.0	0.0	100.0	1.1
	23 - 00	0.0	0.0	0.0	0.0	0.0	100.0	1.5

	April							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.0	0.0	0.0	100.0	2.0
	01 - 02	0.0	0.0	0.0	0.0	0.0	100.0	51.2
	02 - 03	0.0	0.0	0.3	0.3	0.3	99.7	0.8
	03 - 04	0.0	0.0	0.0	0.0	0.3	99.7	1.0
	04 - 05	0.0	0.0	0.0	0.0	0.2	99.8	1.2
	05 - 06	0.0	0.0	0.0	0.0	0.0	100.0	1.2
	06 - 07	0.0	0.0	0.0	0.0	0.0	100.0	0.8
	07 - 08	0.0	0.0	0.0	0.0	0.0	100.0	1.5
	08 - 09	0.0	0.0	0.0	0.0	0.0	100.0	1.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	100.0	0.8
	10 - 11	0.0	0.0	0.0	0.0	0.0	100.0	1.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	100.0	1.0
	12 - 13	0.0	0.0	0.0	0.0	0.0	100.0	0.8
	13 - 14	0.0	0.0	0.0	0.0	0.2	100.0	1.2
	14 - 15	0.0	0.0	0.0	0.0	0.3	100.0	1.2
	15 - 16	0.0	0.0	0.0	0.0	0.3	100.0	0.8
	16 - 17	0.0	0.0	0.0	0.0	0.3	100.0	1.0
	17 - 18	0.0	0.0	0.0	0.0	0.0	100.0	0.7
	18 - 19	0.0	0.0	0.0	0.0	0.0	100.0	1.0
	19 - 20	0.0	0.0	0.0	0.0	0.0	100.0	2.7
	20 - 21	0.0	0.0	0.0	0.0	0.0	100.0	1.0
	21 - 22	0.0	0.0	0.0	0.0	0.3	100.0	1.0
	22 - 23	0.0	0.0	0.0	0.0	0.0	100.0	1.3
	23 - 00	0.0	0.0	0.0	0.0	0.2	100.0	0.8

	May							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.0	0.5	1.0	99.0	1.8
	01 - 02	0.0	0.0	0.0	0.3	1.0	99.7	50.5
	02 - 03	0.0	0.0	0.0	0.3	0.5	99.5	0.3
	03 - 04	0.0	0.0	0.0	0.0	0.8	99.2	0.3
	04 - 05	0.0	0.0	0.0	0.2	1.0	99.2	0.0
	05 - 06	0.0	0.0	0.0	0.2	0.6	99.4	0.3
	06 - 07	0.0	0.0	0.0	0.2	0.5	99.7	0.2
	07 - 08	0.0	0.0	0.0	0.0	0.0	100.0	0.0
	08 - 09	0.0	0.0	0.0	0.0	0.0	100.0	0.0
	09 - 10	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	10 - 11	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	100.0	0.0
	12 - 13	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	13 - 14	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	14 - 15	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	100.0	0.0
	16 - 17	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	100.0	0.6
	18 - 19	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	19 - 20	0.0	0.0	0.0	0.0	0.0	100.0	0.8
	20 - 21	0.0	0.0	0.0	0.0	0.0	100.0	0.6
	21 - 22	0.0	0.0	0.0	0.0	0.3	99.7	1.0
	22 - 23	0.0	0.0	0.0	0.2	0.3	99.7	0.3
	23 - 00	0.0	0.0	0.0	0.0	1.0	99.0	1.5

	June							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.0	0.0	0.0	100.0	2.0
	01 - 02	0.0	0.0	0.0	0.0	0.0	100.0	50.7
	02 - 03	0.0	0.0	0.0	0.2	0.3	99.7	0.8
	03 - 04	0.0	0.0	0.0	0.5	0.7	99.5	0.5
	04 - 05	0.0	0.0	0.0	0.2	0.3	99.7	0.2
	05 - 06	0.0	0.0	0.0	0.0	0.3	99.8	0.3
	06 - 07	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	07 - 08	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	08 - 09	0.0	0.0	0.0	0.0	0.0	100.0	0.0
	09 - 10	0.0	0.0	0.0	0.0	0.0	100.0	0.0
	10 - 11	0.0	0.0	0.0	0.0	0.0	100.0	0.0
	11 - 12	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	12 - 13	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	13 - 14	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	14 - 15	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	16 - 17	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	18 - 19	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	19 - 20	0.0	0.0	0.0	0.0	0.0	100.0	1.8
	20 - 21	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	21 - 22	0.0	0.0	0.0	0.0	0.0	100.0	0.7
	22 - 23	0.0	0.0	0.0	0.0	0.0	100.0	0.7
	23 - 00	0.0	0.0	0.0	0.0	0.0	100.0	0.7

	July							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.0	0.0	0.0	100.0	1.6
	01 - 02	0.0	0.0	0.0	0.0	0.0	100.0	50.6
	02 - 03	0.0	0.0	0.2	0.2	0.3	99.7	1.0
	03 - 04	0.0	0.0	0.0	0.3	0.3	99.7	0.6
	04 - 05	0.0	0.0	0.0	0.0	0.2	99.8	1.1
	05 - 06	0.0	0.0	0.0	0.0	0.2	99.8	0.5
	06 - 07	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	07 - 08	0.0	0.0	0.0	0.0	0.0	100.0	1.1
	08 - 09	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	09 - 10	0.0	0.0	0.0	0.0	0.0	100.0	0.8
	10 - 11	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	11 - 12	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	12 - 13	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	13 - 14	0.0	0.0	0.0	0.0	0.0	100.0	1.0
	14 - 15	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	16 - 17	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	17 - 18	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	18 - 19	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	19 - 20	0.0	0.0	0.0	0.0	0.0	100.0	1.1
	20 - 21	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	21 - 22	0.0	0.0	0.0	0.0	0.0	100.0	0.8
	22 - 23	0.0	0.0	0.0	0.0	0.0	100.0	0.6
	23 - 00	0.0	0.0	0.0	0.0	0.0	100.0	1.0

	August							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.2	0.3	0.3	99.7	1.9
	01 - 02	0.0	0.0	0.0	0.0	0.3	99.7	51.1
	02 - 03	0.0	0.0	0.0	0.2	0.3	99.7	0.8
	03 - 04	0.0	0.0	0.0	0.0	0.3	99.7	1.1
	04 - 05	0.0	0.0	0.2	0.3	0.5	99.5	0.5
	05 - 06	0.0	0.0	0.3	0.3	0.5	99.7	0.0
	06 - 07	0.0	0.0	0.2	0.2	0.3	99.7	0.2
	07 - 08	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	08 - 09	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	10 - 11	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	12 - 13	0.0	0.0	0.0	0.0	0.0	100.0	0.0
	13 - 14	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	14 - 15	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	15 - 16	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	16 - 17	0.0	0.0	0.0	0.0	0.2	100.0	0.0
	17 - 18	0.0	0.0	0.0	0.0	0.0	100.0	0.0
	18 - 19	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	19 - 20	0.0	0.0	0.0	0.0	0.0	100.0	2.1
	20 - 21	0.0	0.0	0.0	0.0	0.0	100.0	1.0
	21 - 22	0.0	0.0	0.0	0.0	0.0	100.0	0.8
	22 - 23	0.0	0.0	0.0	0.0	0.2	99.8	1.0
	23 - 00	0.0	0.0	0.0	0.0	0.3	99.7	0.6

	September							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.0	0.0	0.0	100.0	1.2
	01 - 02	0.0	0.0	0.0	0.0	0.3	99.7	50.3
	02 - 03	0.0	0.0	0.0	0.3	0.7	99.3	0.5
	03 - 04	0.0	0.0	0.0	0.7	1.8	98.3	0.8
	04 - 05	0.0	0.0	0.2	1.0	2.8	97.3	0.0
	05 - 06	0.0	0.0	0.3	0.7	3.0	97.6	0.8
	06 - 07	0.0	0.0	0.5	1.5	2.8	98.2	0.3
	07 - 08	0.0	0.0	0.0	0.0	0.8	100.0	0.5
	08 - 09	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	100.0	0.0
	10 - 11	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	12 - 13	0.0	0.0	0.0	0.0	0.0	100.0	0.7
	13 - 14	0.0	0.0	0.0	0.0	0.0	100.0	0.7
	14 - 15	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	16 - 17	0.0	0.0	0.0	0.0	0.0	100.0	0.7
	17 - 18	0.0	0.0	0.0	0.0	0.0	100.0	0.8
	18 - 19	0.0	0.0	0.0	0.0	0.0	100.0	0.3
	19 - 20	0.0	0.0	0.0	0.0	0.0	100.0	1.8
	20 - 21	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	21 - 22	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	22 - 23	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	23 - 00	0.0	0.0	0.0	0.0	0.0	100.0	1.2

	October							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.2	1.8	4.1	96.3	1.0
	01 - 02	0.0	0.0	0.6	4.2	6.8	93.9	50.2
	02 - 03	0.0	0.0	0.6	3.2	7.1	94.0	0.2
	03 - 04	0.0	0.0	0.8	3.9	9.6	91.7	1.0
	04 - 05	0.0	0.0	1.5	4.2	11.5	90.8	0.5
	05 - 06	0.0	0.0	1.0	4.7	11.0	91.3	0.2
	06 - 07	0.0	0.0	3.1	5.8	9.9	91.4	0.5
	07 - 08	0.0	0.0	4.0	5.7	8.1	93.5	0.3
	08 - 09	0.0	0.0	1.8	2.9	5.7	95.5	0.5
	09 - 10	0.0	0.0	0.2	0.5	2.4	98.1	0.5
	10 - 11	0.0	0.2	0.2	0.2	0.5	99.7	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	12 - 13	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	13 - 14	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	14 - 15	0.0	0.0	0.0	0.0	0.0	100.0	0.5
	15 - 16	0.0	0.0	0.0	0.0	0.0	100.0	0.6
	16 - 17	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	100.0	0.2
	18 - 19	0.0	0.0	0.0	0.2	0.3	99.7	0.0
	19 - 20	0.0	0.0	0.3	0.3	1.0	99.5	1.3
	20 - 21	0.0	0.0	0.0	0.5	1.3	98.7	0.5
	21 - 22	0.0	0.0	0.0	0.6	2.1	98.2	0.6
	22 - 23	0.0	0.0	0.3	1.0	1.8	98.5	0.6
	23 - 00	0.0	0.0	0.0	1.1	3.2	97.6	0.5

	November							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.3	1.3	3.9	97.3	1.2
	01 - 02	0.0	0.0	0.0	0.3	6.1	96.0	50.5
	02 - 03	0.0	0.0	0.3	1.3	5.2	97.0	0.8
	03 - 04	0.0	0.0	0.2	0.5	4.1	97.1	1.7
	04 - 05	0.0	0.0	0.3	1.2	5.6	96.0	1.2
	05 - 06	0.0	0.0	0.2	0.7	4.7	95.6	0.7
	06 - 07	0.0	0.0	0.3	1.5	5.9	94.9	1.2
	07 - 08	0.0	0.0	0.7	1.0	5.0	96.3	0.3
	08 - 09	0.0	0.0	0.3	0.5	3.9	96.1	1.2
	09 - 10	0.0	0.0	0.3	0.3	3.2	97.3	1.0
	10 - 11	0.0	0.0	0.2	0.2	2.0	98.5	0.8
	11 - 12	0.0	0.0	0.0	0.0	1.7	98.7	1.0
	12 - 13	0.0	0.0	0.0	0.0	0.8	99.2	1.0
	13 - 14	0.0	0.0	0.0	0.0	0.5	99.5	1.0
	14 - 15	0.0	0.0	0.0	0.2	1.2	99.3	0.8
	15 - 16	0.0	0.0	0.0	0.2	1.9	99.0	1.2
	16 - 17	0.0	0.0	0.0	0.3	2.9	97.8	1.2
	17 - 18	0.0	0.0	0.2	0.5	2.4	98.1	1.5
	18 - 19	0.0	0.0	0.3	0.5	3.0	98.1	1.3
	19 - 20	0.0	0.0	0.2	0.3	3.3	97.7	3.8
	20 - 21	0.0	0.0	0.0	0.5	3.4	97.1	1.0
	21 - 22	0.0	0.0	0.0	0.0	3.2	97.5	1.5
	22 - 23	0.0	0.0	0.0	0.2	3.4	97.1	0.7
	23 - 00	0.0	0.0	0.2	1.0	4.0	96.5	1.0

	December							
	RVR (m)	<50	<200	<350	<550	<1500	≥1500	NA
	Ceiling (ft)			<100	<200	<300	≥300	
Time (UTC)	00 - 01	0.0	0.0	0.0	2.4	8.0	93.5	1.1
	01 - 02	0.0	0.0	0.3	2.3	8.4	92.9	50.2
	02 - 03	0.0	0.0	0.2	2.6	7.6	93.5	0.3
	03 - 04	0.0	0.0	0.7	2.1	7.9	93.5	1.5
	04 - 05	0.0	0.0	0.3	3.1	9.2	92.4	0.5
	05 - 06	0.0	0.0	0.3	3.1	9.8	91.8	0.0
	06 - 07	0.0	0.0	0.2	2.6	8.4	93.2	0.5
	07 - 08	0.0	0.0	0.6	2.4	9.3	92.7	0.6
	08 - 09	0.0	0.2	2.0	3.6	8.8	93.8	1.1
	09 - 10	0.0	0.0	1.1	2.4	6.6	95.1	0.5
	10 - 11	0.0	0.0	0.6	1.1	4.7	97.4	0.2
	11 - 12	0.0	0.0	0.0	0.5	3.7	98.1	0.5
	12 - 13	0.0	0.0	0.0	0.3	2.4	99.0	0.5
	13 - 14	0.0	0.0	0.0	0.5	1.9	98.7	0.5
	14 - 15	0.0	0.0	0.2	0.3	1.9	98.7	0.2
	15 - 16	0.0	0.0	0.5	1.0	1.9	98.5	0.3
	16 - 17	0.0	0.0	0.2	1.0	2.4	98.4	0.5
	17 - 18	0.0	0.0	0.0	0.8	3.4	98.4	0.5
	18 - 19	0.0	0.0	0.0	1.0	3.7	98.4	1.0
	19 - 20	0.0	0.0	0.0	0.7	3.6	98.0	1.6
	20 - 21	0.0	0.0	0.3	1.0	4.5	97.1	0.6
	21 - 22	0.0	0.0	0.5	1.1	5.0	96.3	0.2
	22 - 23	0.0	0.0	0.3	1.5	6.1	95.8	0.0
	23 - 00	0.0	0.0	0.6	1.9	5.8	96.1	0.5

3.5. Visibility and Ceiling

3.5.1. Hourly Visibility and Ceiling 10 Years

Cumulative frequencies in percent of visibility **or** base height of the lowest cloud layer of BKN or OVC extent below specified values at specified times (months in 3.5.2.). Frequencies are calculated relative to all potentially possible observations each hour (month) minus the not available (NA) observations. The value of NA is calculated relative to the potentially possible observations. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomena were observed.

Example (dark shading): In the 10 years period 19.8% of all observations between 10 and 11 UTC showed a visibility below 8000 m or a base height of the lowest cloud layer of BKN or OVC below 2000 ft.

	10 Years							
	Vis. (m)	**<800**	**<1500**	**<3000**	**<5000**	**<8000**	**≥8000**	**NA**
	Ceil. (ft)	**<200**	**<500**	**<1000**	**<1500**	**<2000**	**≥2000**	
Time (UTC)	**00 - 01**	1.5	3.0	6.5	10.7	17.1	90.1	3.9
	01 - 02	1.8	3.8	7.6	11.6	18.0	89.4	51.8
	02 - 03	2.0	4.1	7.7	12.2	18.9	89.1	3.2
	03 - 04	2.2	4.5	8.3	12.9	20.1	88.4	3.4
	04 - 05	2.5	4.8	8.9	14.2	22.9	87.3	3.0
	05 - 06	2.6	5.0	9.3	15.2	24.8	86.2	2.9
	06 - 07	2.7	5.0	9.6	16.7	27.0	85.7	2.9
	07 - 08	2.3	4.7	9.4	16.5	26.4	85.9	3.0
	08 - 09	2.0	4.3	8.7	15.2	24.4	87.0	3.0
	09 - 10	1.4	3.5	7.6	13.6	22.4	88.2	2.9
	10 - 11	0.7	2.6	6.6	12.5	19.8	89.4	2.8
	11 - 12	0.4	1.9	5.7	10.7	18.0	90.2	3.0
	12 - 13	0.2	1.4	4.6	9.1	16.8	91.7	2.9
	13 - 14	0.2	1.1	4.0	8.1	15.9	92.4	3.1
	14 - 15	0.2	1.1	3.7	7.9	15.7	92.7	2.9
	15 - 16	0.3	1.1	3.8	8.2	16.3	92.7	2.9
	16 - 17	0.4	1.3	3.9	8.7	16.5	92.2	2.9
	17 - 18	0.4	1.4	3.7	8.4	15.2	92.6	3.0
	18 - 19	0.5	1.6	3.7	8.0	14.1	93.0	3.0
	19 - 20	0.6	1.7	4.2	8.1	13.7	92.6	4.3
	20 - 21	0.7	1.9	4.5	8.3	13.7	92.1	3.1
	21 - 22	0.9	2.1	4.9	8.9	14.2	91.7	3.2
	22 - 23	0.9	2.2	5.4	9.5	15.1	91.2	3.1
	23 - 00	1.2	2.9	6.1	10.3	16.0	90.4	3.4

3.5.2. Monthly Visibility and Ceiling 10 Years

Example (dark shading): In the 10 years period 37.6% of all observations in November showed a visibility below 8000 m or a base height of the lowest cloud layer of BKN or OVC below 2000 ft.

	10 Years							
	Vis. (m)	**<800**	**<1500**	**<3000**	**<5000**	**<8000**	**≥8000**	**NA**
	Ceil. (ft)	**<200**	**<500**	**<1000**	**<1500**	**<2000**	**≥2000**	
Time (Month)	**January**	4.6	11.5	24.6	37.9	50.2	66.3	13.4
	February	1.8	4.8	9.7	15.3	24.1	85.9	22.2
	March	0.3	0.5	1.9	5.8	14.1	94.2	2.8
	April	0.0	0.2	0.9	2.4	7.7	97.9	3.2
	May	0.1	0.2	0.5	1.8	6.4	98.9	2.5
	June	0.0	0.1	0.4	1.2	3.4	98.9	2.6
	July	0.0	0.1	0.1	0.6	2.2	99.5	2.7
	August	0.1	0.1	0.3	0.9	2.9	99.2	2.7
	September	0.2	0.5	1.5	5.2	12.7	95.2	2.6
	October	2.3	4.2	8.3	17.0	29.5	84.1	2.5
	November	2.0	5.9	14.0	25.4	37.6	77.9	3.2
	December	3.4	7.7	15.6	24.2	36.3	78.4	2.6

3.5.3. Hourly Visibility and Ceiling per Season

Example (dark shading): In the 10 years period in winter 41% of all observations between 10 and 11 UTC showed a visibility below 8000 m or a base height of the lowest cloud layer of BKN or OVC below 2000 ft.

	Winter (Dec/Jan/Feb)							
	Vis. (m)	<800	<1500	<3000	<5000	<8000	≥8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	≥2000	
Time (UTC)	00 - 01	4.5	9.4	18.6	26.7	36.9	74.9	10.9
	01 - 02	5.0	10.8	20.6	28.5	39.6	74.1	55.4
	02 - 03	5.7	11.6	20.5	29.1	40.4	73.3	11.0
	03 - 04	5.5	11.5	21.6	29.8	40.8	73.2	11.1
	04 - 05	5.9	12.6	21.9	30.5	41.7	72.6	10.5
	05 - 06	6.2	12.3	22.3	31.5	41.7	72.0	10.2
	06 - 07	6.2	11.6	22.0	33.5	45.2	70.9	10.4
	07 - 08	6.3	13.4	24.1	35.7	48.9	69.0	10.4
	08 - 09	5.7	13.4	22.9	34.5	46.8	70.6	10.9
	09 - 10	4.6	11.3	21.3	31.9	44.2	72.5	10.4
	10 - 11	2.7	8.7	19.2	29.8	41.0	73.7	10.3
	11 - 12	1.7	6.8	17.0	26.1	38.3	75.9	10.5
	12 - 13	0.6	4.7	14.2	23.1	35.8	78.9	10.3
	13 - 14	0.7	4.0	12.7	21.5	34.1	80.1	10.6
	14 - 15	0.7	3.5	11.6	20.9	34.2	81.1	10.5
	15 - 16	0.9	3.4	11.7	21.0	34.9	81.3	10.3
	16 - 17	1.5	4.3	12.0	22.6	35.5	80.8	10.3
	17 - 18	1.4	4.7	11.1	21.1	31.4	81.5	10.5
	18 - 19	1.8	5.2	11.5	20.5	30.5	81.8	10.6
	19 - 20	1.9	5.6	12.7	20.9	30.7	80.9	11.3
	20 - 21	2.2	6.3	13.4	21.8	31.2	80.3	10.6
	21 - 22	2.8	6.7	14.3	23.2	32.3	78.6	10.3
	22 - 23	3.0	7.1	15.6	24.5	33.5	77.4	10.4
	23 - 00	3.8	9.2	17.4	26.0	34.6	75.9	10.8

	Spring (Mar/Apr/May)							
	Vis. (m)	<800	<1500	<3000	<5000	<8000	≥8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	≥2000	
Time (UTC)	00 - 01	0.2	0.3	0.8	2.4	6.6	97.7	2.0
	01 - 02	0.1	0.3	1.0	2.3	6.8	97.5	50.7
	02 - 03	0.3	0.5	1.0	2.8	8.4	97.4	0.6
	03 - 04	0.4	0.8	1.4	3.7	9.8	97.3	0.8
	04 - 05	0.5	0.5	2.1	5.3	14.2	95.8	0.7
	05 - 06	0.5	0.8	2.5	6.6	17.4	94.3	0.5
	06 - 07	0.5	0.9	2.6	6.9	18.5	94.3	0.4
	07 - 08	0.3	0.5	2.2	6.2	16.6	94.5	0.8
	08 - 09	0.4	0.5	1.9	5.4	15.3	94.9	0.5
	09 - 10	0.2	0.3	1.4	4.0	12.9	96.1	0.5
	10 - 11	0.1	0.2	1.0	3.9	10.6	96.9	0.4
	11 - 12	0.0	0.1	0.8	3.4	8.7	97.1	0.5
	12 - 13	0.0	0.1	0.7	3.2	8.6	97.4	0.4
	13 - 14	0.0	0.0	0.5	2.7	8.2	97.7	0.8
	14 - 15	0.0	0.2	0.8	2.5	7.7	97.5	0.5
	15 - 16	0.0	0.2	0.7	2.5	7.8	98.0	0.4
	16 - 17	0.1	0.2	0.7	2.5	7.7	97.7	0.5
	17 - 18	0.0	0.1	0.8	2.7	7.9	97.4	0.6
	18 - 19	0.0	0.1	0.7	2.2	7.0	97.8	0.8
	19 - 20	0.1	0.1	0.7	1.7	5.2	98.6	2.0
	20 - 21	0.1	0.1	0.6	1.4	4.5	98.4	0.8
	21 - 22	0.0	0.2	0.8	1.6	4.1	98.4	0.9
	22 - 23	0.0	0.1	0.8	1.9	4.6	98.3	0.9
	23 - 00	0.0	0.2	0.9	2.2	5.3	97.9	1.3

	Summer (Jun/Jul/Aug)							
	Vis. (m)	<800	<1500	<3000	<5000	<8000	≥8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	≥2000	
Time (UTC)	00 - 01	0.1	0.1	0.3	0.6	1.9	99.6	1.8
	01 - 02	0.1	0.1	0.3	0.6	1.2	99.4	50.8
	02 - 03	0.1	0.2	0.5	0.9	2.1	99.1	0.9
	03 - 04	0.2	0.5	0.7	1.4	3.7	98.2	0.8
	04 - 05	0.2	0.4	0.8	3.1	6.8	97.3	0.6
	05 - 06	0.2	0.4	1.0	2.3	7.1	97.0	0.3
	06 - 07	0.1	0.3	0.8	2.6	7.5	96.9	0.3
	07 - 08	0.0	0.0	0.4	2.0	6.0	97.8	0.7
	08 - 09	0.0	0.0	0.2	1.3	4.4	99.0	0.2
	09 - 10	0.0	0.0	0.1	0.5	2.7	99.5	0.3
	10 - 11	0.0	0.0	0.0	0.3	1.6	99.5	0.2
	11 - 12	0.0	0.0	0.0	0.4	1.7	99.7	0.3
	12 - 13	0.0	0.0	0.1	0.3	1.3	99.9	0.3
	13 - 14	0.0	0.0	0.1	0.2	1.0	100.0	0.6
	14 - 15	0.0	0.0	0.0	0.3	1.5	99.9	0.2
	15 - 16	0.0	0.0	0.1	0.4	1.9	99.9	0.4
	16 - 17	0.0	0.0	0.1	0.3	1.6	99.9	0.2
	17 - 18	0.0	0.0	0.2	0.8	2.2	100.0	0.1
	18 - 19	0.0	0.0	0.2	0.5	2.0	99.9	0.3
	19 - 20	0.0	0.0	0.1	0.4	1.4	99.9	1.7
	20 - 21	0.0	0.0	0.1	0.3	1.4	99.7	0.5
	21 - 22	0.0	0.0	0.2	0.3	1.8	99.7	0.8
	22 - 23	0.0	0.0	0.1	0.4	1.8	99.8	0.8
	23 - 00	0.0	0.0	0.1	0.6	2.4	99.6	0.8

	Autumn (Sep/Oct/Nov)							
	Vis. (m)	<800	<1500	<3000	<5000	<8000	≥8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	≥2000	
Time (UTC)	00 - 01	1.6	3.0	7.6	14.7	25.1	86.7	1.1
	01 - 02	2.5	4.6	9.7	17.1	27.0	84.7	50.3
	02 - 03	2.4	5.1	10.4	18.0	27.3	84.6	0.5
	03 - 04	3.1	5.9	11.0	18.8	28.9	83.0	1.2
	04 - 05	3.9	6.8	12.4	19.8	31.1	81.8	0.5
	05 - 06	4.0	7.6	13.1	22.4	35.1	79.7	0.5
	06 - 07	4.3	7.8	14.5	25.8	39.1	79.1	0.7
	07 - 08	2.9	6.0	12.8	24.4	36.7	80.4	0.4
	08 - 09	2.3	4.3	11.7	22.3	33.9	81.3	0.6
	09 - 10	1.0	3.2	9.2	20.3	32.3	82.9	0.5
	10 - 11	0.3	2.2	7.6	17.9	28.5	85.6	0.4
	11 - 12	0.2	1.4	6.3	14.6	26.0	86.5	0.6
	12 - 13	0.1	1.1	4.6	11.7	23.7	89.1	0.7
	13 - 14	0.2	0.9	3.6	9.8	22.4	90.4	0.6
	14 - 15	0.3	1.0	3.4	9.6	21.7	90.9	0.5
	15 - 16	0.3	1.3	3.7	10.3	22.9	90.1	0.7
	16 - 17	0.3	1.2	3.7	11.0	23.7	89.2	0.7
	17 - 18	0.3	1.2	3.7	10.7	21.3	90.0	0.8
	18 - 19	0.3	1.4	3.5	10.2	18.8	91.0	0.5
	19 - 20	0.6	1.5	4.5	11.0	19.7	89.6	2.3
	20 - 21	0.8	1.8	5.1	11.4	19.9	88.7	0.5
	21 - 22	0.9	1.9	5.6	12.3	20.7	88.5	0.9
	22 - 23	1.0	2.2	6.2	12.8	22.6	87.5	0.5
	23 - 00	1.4	3.0	7.3	14.1	24.1	86.6	0.9

3.5.4. Hourly Visibility and Ceiling per Month

Example (dark shading): In the 10 years period in January 52% of all observations between 10 and 11 UTC showed a visibility below 8000 m or a base height of the lowest cloud layer of BKN or OVC below 2000 ft.

	January							
	Vis. (m)	<800	<1500	<3000	<5000	<8000	>8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	>2000	
Time (UTC)	00 - 01	6.0	12.6	26.2	39.0	50.4	63.7	11.9
	01 - 02	7.0	15.8	29.7	41.0	53.5	63.0	56.0
	02 - 03	8.3	17.3	29.6	43.0	54.6	61.8	12.3
	03 - 04	8.4	16.6	31.4	44.2	55.8	62.6	11.6
	04 - 05	7.6	16.7	31.1	43.8	56.9	62.5	11.3
	05 - 06	7.1	15.2	30.1	44.1	56.1	61.9	11.1
	06 - 07	8.0	14.9	30.0	46.4	57.6	62.4	11.3
	07 - 08	8.0	18.1	35.2	50.1	63.0	55.9	11.1
	08 - 09	7.3	17.7	33.4	48.4	62.0	58.2	11.6
	09 - 10	5.6	15.5	30.2	43.8	57.8	61.6	11.3
	10 - 11	3.8	13.1	25.8	40.9	52.0	63.1	11.3
	11 - 12	2.6	9.7	24.6	36.7	50.2	65.5	11.6
	12 - 13	1.1	6.9	21.6	32.8	48.2	69.7	11.0
	13 - 14	1.5	5.7	19.5	29.9	45.8	72.1	11.6
	14 - 15	0.9	5.3	19.2	29.2	44.3	72.8	11.6
	15 - 16	1.1	5.6	19.0	30.1	44.6	73.2	11.0
	16 - 17	2.2	7.1	19.2	32.1	46.6	71.4	11.0
	17 - 18	2.0	6.9	16.6	29.9	42.0	73.5	11.6
	18 - 19	2.7	7.8	15.8	29.1	40.8	74.0	11.5
	19 - 20	3.1	8.6	17.1	29.4	40.8	72.2	12.3
	20 - 21	2.9	9.5	19.5	32.7	42.3	70.6	11.6
	21 - 22	3.8	9.5	20.5	35.8	45.3	67.5	11.3
	22 - 23	4.2	9.5	22.1	38.3	46.2	65.9	11.6
	23 - 00	5.7	13.0	25.1	40.2	48.6	63.7	12.1

	February							
	Vis. (m)	<800	<1500	<3000	<5000	<8000	>8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	>2000	
Time (UTC)	00 - 01	2.2	5.4	11.4	13.6	20.8	86.4	20.6
	01 - 02	2.3	5.9	11.7	15.3	23.9	85.1	60.6
	02 - 03	2.7	6.5	11.7	16.0	24.1	84.7	21.3
	03 - 04	2.3	6.5	11.3	14.9	23.6	83.8	21.3
	04 - 05	3.1	7.1	12.1	17.0	25.0	82.8	20.6
	05 - 06	4.0	7.6	13.8	18.5	25.8	82.0	20.4
	06 - 07	4.2	7.8	15.6	22.7	35.0	78.0	20.4
	07 - 08	4.7	9.6	15.1	23.4	38.1	79.1	20.4
	08 - 09	3.1	9.4	12.5	21.0	33.8	82.8	20.7
	09 - 10	2.9	7.8	12.2	19.2	31.0	82.6	20.4
	10 - 11	1.6	4.9	11.4	17.6	27.8	83.5	20.4
	11 - 12	0.7	2.9	8.7	13.6	24.1	86.0	20.4
	12 - 13	0.2	2.2	6.9	12.9	20.7	87.8	20.4
	13 - 14	0.0	1.8	6.3	13.6	20.6	88.8	20.7
	14 - 15	0.0	1.1	5.1	13.4	21.0	89.3	20.6
	15 - 16	0.0	0.7	5.1	12.9	21.2	90.2	20.6
	16 - 17	0.4	1.3	6.7	15.6	24.5	89.8	20.4
	17 - 18	0.4	2.2	5.6	14.2	21.1	89.3	20.2
	18 - 19	1.1	2.9	6.9	11.8	19.8	89.3	20.4
	19 - 20	1.1	3.4	8.5	12.5	19.7	88.4	20.7
	20 - 21	1.1	4.5	7.8	11.4	19.2	89.1	20.6
	21 - 22	1.6	4.2	8.2	11.4	19.4	88.4	20.4
	22 - 23	1.1	4.5	9.4	12.3	19.6	87.3	20.6
	23 - 00	1.6	5.4	10.1	13.4	19.2	87.2	20.7

	March							
	Vis. (m)	<800	<1500	<3000	<5000	<8000	>8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	>2000	
Time (UTC)	00 - 01	0.0	0.0	1.2	3.8	10.7	95.7	2.3
	01 - 02	0.0	0.0	1.6	4.2	11.0	95.1	50.3
	02 - 03	0.2	0.5	1.8	4.2	11.9	95.3	0.6
	03 - 04	0.7	1.0	2.1	4.2	12.4	95.9	1.0
	04 - 05	0.7	0.8	2.1	4.6	14.3	94.3	0.8
	05 - 06	0.8	1.5	3.6	8.2	19.2	91.8	0.2
	06 - 07	1.0	1.6	4.4	10.8	24.8	89.3	0.3
	07 - 08	1.0	1.5	4.1	11.1	22.8	90.2	0.8
	08 - 09	1.1	1.6	3.7	10.0	21.9	90.0	0.5
	09 - 10	0.5	0.8	3.1	8.7	19.2	91.8	0.2
	10 - 11	0.3	0.5	2.1	7.7	16.8	93.5	0.0
	11 - 12	0.0	0.3	1.8	6.8	15.9	94.0	0.6
	12 - 13	0.0	0.0	1.3	6.8	15.4	94.0	0.3
	13 - 14	0.0	0.0	1.0	5.5	14.1	94.8	0.8
	14 - 15	0.0	0.2	0.8	5.0	12.9	94.8	0.2
	15 - 16	0.0	0.2	1.0	5.0	13.3	95.5	0.3
	16 - 17	0.2	0.2	1.1	5.5	13.9	94.7	0.3
	17 - 18	0.0	0.0	1.8	6.3	14.4	94.0	0.5
	18 - 19	0.0	0.2	1.5	3.6	11.1	95.3	0.8
	19 - 20	0.3	0.3	1.5	3.3	8.4	96.9	2.6
	20 - 21	0.2	0.3	1.5	3.2	7.8	96.3	0.6
	21 - 22	0.0	0.0	1.1	2.8	7.3	96.6	0.8
	22 - 23	0.0	0.0	1.3	2.9	7.5	96.4	1.1
	23 - 00	0.0	0.0	1.3	3.1	8.8	96.4	1.5

	April							
	Vis. (m)	<800	<1500	<3000	<5000	<8000	>8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	>2000	
Time (UTC)	00 - 01	0.0	0.3	0.3	1.5	5.3	98.6	2.0
	01 - 02	0.0	0.3	0.3	1.0	5.8	98.3	51.2
	02 - 03	0.3	0.8	0.8	2.4	6.9	98.0	0.8
	03 - 04	0.3	0.5	0.7	3.0	6.2	98.5	1.0
	04 - 05	0.2	0.2	1.2	3.7	12.3	96.8	1.2
	05 - 06	0.0	0.2	2.2	5.6	16.2	94.6	1.2
	06 - 07	0.0	0.0	1.8	5.4	15.1	96.5	0.8
	07 - 08	0.0	0.0	1.7	4.6	14.7	95.4	1.5
	08 - 09	0.0	0.0	1.3	4.4	14.7	96.5	1.2
	09 - 10	0.0	0.0	1.0	2.4	11.6	97.6	0.8
	10 - 11	0.0	0.0	0.8	2.9	9.1	97.6	1.2
	11 - 12	0.0	0.0	0.5	2.9	6.6	97.3	1.0
	12 - 13	0.0	0.2	0.7	2.2	6.6	98.3	0.8
	13 - 14	0.0	0.0	0.7	2.2	6.1	98.3	1.2
	14 - 15	0.0	0.3	1.3	2.2	6.1	98.0	1.2
	15 - 16	0.0	0.3	1.0	2.0	5.9	98.8	0.8
	16 - 17	0.0	0.3	0.8	1.0	5.7	99.0	1.0
	17 - 18	0.0	0.3	0.5	0.8	5.0	98.8	0.7
	18 - 19	0.0	0.2	0.5	1.2	5.7	99.0	1.0
	19 - 20	0.0	0.0	0.5	1.0	3.3	99.1	2.7
	20 - 21	0.0	0.0	0.2	0.8	3.5	99.2	1.0
	21 - 22	0.0	0.3	1.0	1.3	2.9	98.8	1.0
	22 - 23	0.0	0.0	0.7	1.7	3.9	98.8	1.3
	23 - 00	0.0	0.3	0.8	1.7	4.0	98.7	0.8

May

Time (UTC)	Vis. (m)	<800	<1500	<3000	<5000	<8000	>8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	>2000	
	00 - 01	0.5	0.7	1.0	2.0	3.8	98.7	1.8
	01 - 02	0.3	0.7	1.0	1.6	3.6	99.0	50.5
	02 - 03	0.3	0.3	0.5	1.8	6.3	98.9	0.3
	03 - 04	0.2	1.0	1.3	3.7	10.7	97.6	0.3
	04 - 05	0.6	0.6	2.9	7.4	16.0	96.5	0.0
	05 - 06	0.6	0.6	1.6	5.8	16.7	96.6	0.3
	06 - 07	0.5	1.1	1.5	4.5	15.5	97.1	0.2
	07 - 08	0.0	0.0	0.8	3.1	12.4	97.7	0.0
	08 - 09	0.0	0.0	0.5	1.6	9.4	98.2	0.0
	09 - 10	0.0	0.0	0.2	0.8	7.8	99.0	0.5
	10 - 11	0.0	0.0	0.2	1.1	5.8	99.5	0.2
	11 - 12	0.0	0.0	0.0	0.6	3.5	100.0	0.0
	12 - 13	0.0	0.0	0.0	0.5	3.7	100.0	0.2
	13 - 14	0.0	0.0	0.0	0.5	4.4	100.0	0.3
	14 - 15	0.0	0.0	0.2	0.3	4.0	99.8	0.2
	15 - 16	0.0	0.0	0.0	0.5	4.2	99.8	0.0
	16 - 17	0.0	0.0	0.2	0.8	3.4	99.5	0.2
	17 - 18	0.0	0.0	0.2	1.0	4.1	99.4	0.6
	18 - 19	0.0	0.0	0.2	1.8	4.1	99.0	0.5
	19 - 20	0.0	0.0	0.0	0.7	3.7	99.7	0.8
	20 - 21	0.0	0.0	0.2	0.2	2.3	99.8	0.6
	21 - 22	0.0	0.2	0.2	0.7	2.0	99.7	1.0
	22 - 23	0.0	0.3	0.3	1.1	2.4	99.7	0.3
	23 - 00	0.0	0.3	0.7	1.8	3.1	98.7	1.5

June

Time (UTC)	Vis. (m)	<800	<1500	<3000	<5000	<8000	>8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	>2000	
	00 - 01	0.0	0.0	0.3	1.0	2.6	99.7	2.0
	01 - 02	0.0	0.0	0.3	0.7	1.7	99.0	50.7
	02 - 03	0.0	0.0	0.7	1.0	3.2	98.3	0.8
	03 - 04	0.0	0.7	1.2	2.7	5.5	97.2	0.5
	04 - 05	0.2	0.3	1.3	5.2	8.8	95.8	0.2
	05 - 06	0.2	0.3	1.3	3.0	8.9	96.0	0.3
	06 - 07	0.0	0.2	1.3	2.3	9.5	95.8	0.2
	07 - 08	0.0	0.0	0.3	1.8	6.7	97.0	0.5
	08 - 09	0.0	0.0	0.5	2.0	5.0	98.8	0.0
	09 - 10	0.0	0.0	0.0	0.7	3.7	99.2	0.0
	10 - 11	0.0	0.0	0.0	0.5	2.2	99.5	0.0
	11 - 12	0.0	0.0	0.0	0.0	1.5	100.0	0.2
	12 - 13	0.0	0.0	0.0	0.0	0.8	100.0	0.5
	13 - 14	0.0	0.0	0.0	0.0	0.5	100.0	0.3
	14 - 15	0.0	0.0	0.0	0.0	0.5	100.0	0.2
	15 - 16	0.0	0.0	0.2	0.7	1.8	100.0	0.5
	16 - 17	0.0	0.0	0.2	0.2	2.3	100.0	0.2
	17 - 18	0.0	0.0	0.5	1.0	2.5	100.0	0.2
	18 - 19	0.0	0.0	0.3	0.5	2.5	100.0	0.2
	19 - 20	0.0	0.0	0.2	0.7	2.2	99.8	1.8
	20 - 21	0.0	0.0	0.2	1.0	1.8	99.3	0.5
	21 - 22	0.0	0.0	0.3	0.7	2.2	99.3	0.7
	22 - 23	0.0	0.0	0.3	0.8	1.8	99.5	0.7
	23 - 00	0.0	0.0	0.3	1.0	3.0	99.7	0.7

July

Time (UTC)	Vis. (m)	<800	<1500	<3000	<5000	<8000	>8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	>2000	
	00 - 01	0.0	0.0	0.0	0.2	0.5	99.8	1.6
	01 - 02	0.0	0.0	0.0	0.0	0.3	100.0	50.6
	02 - 03	0.0	0.2	0.2	0.7	1.3	99.7	1.0
	03 - 04	0.3	0.3	0.3	0.8	3.6	98.4	0.6
	04 - 05	0.2	0.2	0.2	2.1	6.0	97.9	1.1
	05 - 06	0.0	0.3	0.3	1.3	5.3	97.9	0.5
	06 - 07	0.0	0.3	0.3	2.1	5.0	98.4	0.5
	07 - 08	0.0	0.0	0.3	1.8	4.4	98.9	1.1
	08 - 09	0.0	0.0	0.0	0.6	3.1	99.5	0.5
	09 - 10	0.0	0.0	0.2	0.2	2.0	99.7	0.8
	10 - 11	0.0	0.0	0.0	0.3	1.0	99.4	0.3
	11 - 12	0.0	0.0	0.0	0.5	1.5	99.8	0.5
	12 - 13	0.0	0.0	0.2	0.3	1.8	99.8	0.3
	13 - 14	0.0	0.0	0.2	0.2	1.3	100.0	1.0
	14 - 15	0.0	0.0	0.0	0.3	1.6	100.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	1.9	100.0	0.2
	16 - 17	0.0	0.0	0.0	0.3	1.5	99.7	0.3
	17 - 18	0.0	0.0	0.0	0.6	2.3	100.0	0.2
	18 - 19	0.0	0.0	0.2	0.6	1.9	99.7	0.5
	19 - 20	0.0	0.0	0.2	0.2	1.3	100.0	1.1
	20 - 21	0.0	0.0	0.0	0.0	1.0	100.0	0.2
	21 - 22	0.0	0.0	0.0	0.0	1.1	100.0	0.8
	22 - 23	0.0	0.0	0.0	0.2	1.6	100.0	0.6
	23 - 00	0.0	0.0	0.0	0.2	1.5	100.0	1.0

August

Time (UTC)	Vis. (m)	<800	<1500	<3000	<5000	<8000	>8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	>2000	
	00 - 01	0.2	0.3	0.5	0.5	2.6	99.2	1.9
	01 - 02	0.3	0.3	0.7	1.0	1.7	99.3	51.1
	02 - 03	0.3	0.3	0.7	1.0	1.8	99.3	0.8
	03 - 04	0.2	0.5	0.7	0.7	2.1	99.0	1.1
	04 - 05	0.2	0.6	1.0	1.9	5.7	98.2	0.5
	05 - 06	0.3	0.6	1.5	2.7	7.1	97.1	0.0
	06 - 07	0.2	0.5	0.8	3.2	7.9	96.4	0.2
	07 - 08	0.0	0.0	0.5	2.3	7.0	97.4	0.3
	08 - 09	0.0	0.0	0.2	1.1	5.2	98.7	0.2
	09 - 10	0.0	0.0	0.0	0.6	2.6	99.5	0.2
	10 - 11	0.0	0.0	0.0	0.2	1.8	99.7	0.2
	11 - 12	0.0	0.0	0.0	0.8	2.3	99.2	0.3
	12 - 13	0.0	0.0	0.2	0.6	1.3	100.0	0.0
	13 - 14	0.0	0.0	0.0	0.3	1.1	100.0	0.5
	14 - 15	0.0	0.0	0.0	0.6	2.4	99.8	0.3
	15 - 16	0.0	0.0	0.0	0.5	1.8	99.7	0.5
	16 - 17	0.0	0.0	0.0	0.5	1.1	100.0	0.0
	17 - 18	0.0	0.0	0.0	0.6	1.9	100.0	0.0
	18 - 19	0.0	0.0	0.2	0.5	1.6	100.0	0.3
	19 - 20	0.0	0.0	0.0	0.3	0.8	99.8	2.1
	20 - 21	0.0	0.0	0.0	0.0	1.5	99.7	1.0
	21 - 22	0.0	0.0	0.2	0.2	2.1	99.8	0.8
	22 - 23	0.0	0.0	0.0	0.2	2.0	100.0	1.0
	23 - 00	0.0	0.0	0.0	0.6	2.8	99.0	0.6

September

Time (UTC)	Vis. (m)	<800	<1500	<3000	<5000	<8000	>8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	>2000	
	00 - 01	0.0	0.2	0.8	2.4	10.5	96.8	1.2
	01 - 02	0.3	0.3	2.0	4.4	11.7	96.0	50.3
	02 - 03	0.5	0.8	2.3	5.0	11.9	95.3	0.5
	03 - 04	1.0	1.8	2.7	6.6	12.3	94.3	0.8
	04 - 05	1.3	1.8	2.7	6.8	17.0	91.3	0.0
	05 - 06	1.2	3.2	4.0	10.6	23.0	87.2	0.8
	06 - 07	1.0	2.5	4.2	12.4	24.2	89.0	0.3
	07 - 08	0.0	0.8	3.0	9.5	19.8	92.0	0.5
	08 - 09	0.0	0.2	2.3	8.7	17.4	93.5	0.2
	09 - 10	0.0	0.0	1.2	7.5	16.2	94.7	0.0
	10 - 11	0.0	0.3	2.0	6.3	13.9	96.2	0.2
	11 - 12	0.0	0.2	1.8	4.5	13.2	96.2	0.3
	12 - 13	0.0	0.0	0.8	3.7	12.1	96.1	0.7
	13 - 14	0.0	0.0	0.0	2.9	11.7	96.8	0.7
	14 - 15	0.0	0.0	0.7	3.0	10.0	96.7	0.2
	15 - 16	0.0	0.2	0.7	3.3	9.9	96.7	0.3
	16 - 17	0.0	0.0	0.0	2.9	9.4	96.8	0.7
	17 - 18	0.0	0.0	0.5	4.4	10.4	96.5	0.8
	18 - 19	0.0	0.0	0.3	3.3	9.0	97.3	0.3
	19 - 20	0.0	0.0	0.5	2.9	8.0	97.6	1.8
	20 - 21	0.0	0.0	0.5	2.8	8.7	96.8	0.2
	21 - 22	0.0	0.0	0.7	3.0	8.5	97.0	0.5
	22 - 23	0.0	0.2	1.0	3.2	8.2	97.5	0.2
	23 - 00	0.0	0.3	1.2	3.4	8.4	97.5	1.2

October

Time (UTC)	Vis. (m)	<800	<1500	<3000	<5000	<8000	>8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	>2000	
	00 - 01	2.8	4.1	8.5	18.1	30.3	83.9	1.0
	01 - 02	4.9	7.1	12.3	20.7	32.7	80.6	50.2
	02 - 03	4.5	8.2	12.9	23.3	33.0	81.1	0.2
	03 - 04	6.0	10.1	13.8	23.1	34.9	79.5	1.0
	04 - 05	6.6	11.8	17.5	24.8	36.0	77.5	0.5
	05 - 06	7.6	12.4	18.7	27.8	41.7	75.6	0.2
	06 - 07	8.3	12.8	20.7	32.7	45.9	74.4	0.5
	07 - 08	6.3	10.5	17.2	29.8	41.9	76.1	0.3
	08 - 09	4.1	6.8	15.7	25.9	39.1	76.7	0.5
	09 - 10	1.6	4.7	12.8	24.0	36.5	79.7	0.5
	10 - 11	0.0	1.8	7.9	20.4	32.5	83.4	0.2
	11 - 12	0.0	0.5	4.7	15.1	29.0	85.3	0.5
	12 - 13	0.0	0.3	2.6	9.9	24.3	88.5	0.5
	13 - 14	0.0	0.2	1.6	7.4	21.5	90.8	0.2
	14 - 15	0.0	0.0	2.1	7.6	20.9	92.2	0.5
	15 - 16	0.0	0.0	1.8	7.1	22.7	90.3	0.6
	16 - 17	0.0	0.2	2.1	8.9	25.7	88.9	0.2
	17 - 18	0.0	0.3	1.6	9.5	22.8	89.0	0.2
	18 - 19	0.0	0.6	1.6	9.4	19.5	90.6	0.0
	19 - 20	0.5	1.0	3.1	10.0	20.3	89.2	1.3
	20 - 21	0.5	1.1	3.9	11.2	21.6	87.5	0.5
	21 - 22	0.8	1.8	4.4	12.8	22.7	87.2	0.6
	22 - 23	1.0	1.8	5.7	14.0	25.8	85.2	0.6
	23 - 00	1.8	3.1	7.5	15.9	28.7	83.5	0.5

November

Time (UTC)	Vis. (m)	<800	<1500	<3000	<5000	<8000	>8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	>2000	
	00 - 01	2.0	4.7	13.5	23.6	34.4	79.6	1.2
	01 - 02	2.4	6.4	14.8	26.3	36.4	77.8	50.5
	02 - 03	2.2	6.2	15.8	25.5	36.8	77.6	0.8
	03 - 04	2.0	5.8	16.3	26.6	39.5	75.3	1.7
	04 - 05	3.5	6.6	17.0	27.8	40.3	76.7	1.2
	05 - 06	3.2	6.9	16.4	28.5	40.3	76.5	0.7
	06 - 07	3.5	7.9	18.5	32.0	47.0	74.0	1.2
	07 - 08	2.3	6.4	18.1	33.8	48.3	73.4	0.3
	08 - 09	2.7	5.9	17.0	32.2	45.4	73.9	1.2
	09 - 10	1.5	4.9	13.5	29.5	44.3	74.4	1.0
	10 - 11	1.0	4.5	12.8	26.9	39.2	77.3	0.8
	11 - 12	0.7	3.7	12.5	24.4	35.7	78.1	1.0
	12 - 13	0.3	3.0	10.4	21.5	34.8	82.7	1.0
	13 - 14	0.5	2.7	9.4	19.2	34.0	83.7	1.0
	14 - 15	0.8	3.0	7.6	18.3	34.3	83.9	0.8
	15 - 16	1.0	3.7	8.8	20.6	36.3	83.3	1.2
	16 - 17	0.8	3.5	9.1	21.4	36.1	81.8	1.2
	17 - 18	0.8	3.4	9.1	18.3	30.8	84.6	1.5
	18 - 19	1.0	3.5	8.6	17.9	27.9	85.1	1.3
	19 - 20	1.4	3.5	10.1	20.3	31.0	81.8	3.8
	20 - 21	2.0	4.2	11.1	20.4	29.5	81.8	1.0
	21 - 22	2.0	3.9	11.8	21.0	30.8	81.2	1.5
	22 - 23	2.2	4.5	11.9	21.3	33.7	79.7	0.7
	23 - 00	2.4	5.7	13.1	22.9	34.8	79.0	1.0

December

Time (UTC)	Vis. (m)	<800	<1500	<3000	<5000	<8000	>8000	NA
	Ceil. (ft)	<200	<500	<1000	<1500	<2000	>2000	
	00 - 01	4.9	9.5	17.1	25.3	36.7	76.5	1.1
	01 - 02	5.2	10.0	19.1	26.9	38.5	76.1	50.2
	02 - 03	5.7	10.4	18.8	26.4	39.6	75.2	0.3
	03 - 04	5.2	10.6	20.5	27.8	39.8	75.1	1.5
	04 - 05	6.5	12.8	20.7	28.5	40.2	74.2	0.5
	05 - 06	7.1	13.1	21.5	29.7	40.5	73.7	0.0
	06 - 07	6.0	11.5	19.6	30.0	41.5	73.3	0.5
	07 - 08	5.8	12.0	20.6	31.8	44.2	73.4	0.6
	08 - 09	6.0	12.4	21.2	31.8	42.7	72.9	1.1
	09 - 10	4.9	10.2	20.1	30.6	41.8	74.7	0.5
	10 - 11	2.4	7.6	18.9	28.8	40.7	75.9	0.2
	11 - 12	1.6	7.1	16.2	25.8	38.1	77.8	0.5
	12 - 13	0.3	4.5	13.0	21.7	35.7	80.6	0.5
	13 - 14	0.5	4.1	11.2	19.6	33.5	81.0	0.5
	14 - 15	1.0	3.6	9.5	18.9	34.9	82.6	0.2
	15 - 16	1.5	3.4	9.9	18.8	36.1	82.2	0.3
	16 - 17	1.6	4.1	9.4	19.3	33.5	82.8	0.5
	17 - 18	1.5	4.5	10.4	18.2	29.5	83.0	0.5
	18 - 19	1.5	4.6	10.9	19.1	29.2	83.4	1.0
	19 - 20	1.5	4.6	11.8	19.3	29.8	83.3	1.6
	20 - 21	2.3	4.7	12.0	19.6	30.0	82.6	0.6
	21 - 22	2.9	6.1	13.2	20.5	30.2	81.3	0.2
	22 - 23	3.2	6.9	14.4	21.1	32.4	80.5	0.0
	23 - 00	3.7	8.6	15.9	22.7	33.2	78.4	0.5

4. TEMPERATURE

4.1. Temperature

4.1.1. Temperature 10 Years

Frequencies in percent of surface temperature in specified ranges of 5°C at specified times. Frequencies are calculated relative to all potentially possible observations each hour minus the not available (NA) observations. The value of NA is calculated relative to the potentially possible observations. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomena were observed.

Example (dark shading): In the 10 years period 18.2% of all observations between 14 and 15 UTC showed a temperature between 5 and 9 degrees Celsius.

	Temperature (° C) 10 Years														
Time (UTC)		< -20	-20 – -16	-15 – -11	-10 – -6	-5 – - 1	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	≥35	NA
	00 - 01	0.0	0.0	0.0	0.8	8.0	20.4	25.5	25.8	17.4	1.9	0.1	0.0	0.0	4.0
	01 - 02	0.0	0.0	0.0	0.8	8.7	21.3	25.7	27.4	14.9	1.2	0.1	0.0	0.0	51.8
	02 - 03	0.0	0.0	0.0	0.9	8.8	21.8	26.1	27.2	14.1	1.1	0.0	0.0	0.0	3.2
	03 - 04	0.0	0.0	0.0	0.9	9.5	22.5	26.2	26.8	13.4	0.8	0.0	0.0	0.0	3.4
	04 - 05	0.0	0.0	0.0	0.9	10.0	22.9	25.8	26.5	13.2	0.6	0.0	0.0	0.0	3.1
	05 - 06	0.0	0.0	0.0	0.9	10.1	22.2	24.0	25.7	15.9	1.2	0.0	0.0	0.0	2.9
	06 - 07	0.0	0.0	0.0	1.0	9.5	20.4	21.9	22.9	19.3	5.0	0.1	0.0	0.0	2.9
	07 - 08	0.0	0.0	0.0	0.8	7.5	18.7	21.5	21.9	19.4	9.9	0.5	0.0	0.0	3.0
	08 - 09	0.0	0.0	0.0	0.6	5.4	17.6	20.7	21.0	20.1	13.1	1.6	0.0	0.0	3.0
	09 - 10	0.0	0.0	0.0	0.2	4.1	15.8	19.9	21.1	19.9	15.2	3.7	0.0	0.0	2.9
	10 - 11	0.0	0.0	0.0	0.1	2.9	14.1	19.7	20.3	20.3	16.3	6.0	0.3	0.0	2.8
	11 - 12	0.0	0.0	0.0	0.1	2.0	13.0	18.9	19.8	20.6	16.9	8.2	0.6	0.0	3.0
	12 - 13	0.0	0.0	0.0	0.1	1.7	11.8	18.8	19.3	20.5	16.8	9.9	1.2	0.0	2.9
	13 - 14	0.0	0.0	0.0	0.0	1.5	11.8	18.1	19.1	19.7	17.0	10.9	1.8	0.0	3.1
	14 - 15	0.0	0.0	0.0	0.0	1.6	11.7	18.2	18.7	19.5	16.7	11.2	2.3	0.0	2.9
	15 - 16	0.0	0.0	0.0	0.1	1.9	12.3	18.4	18.6	19.0	16.2	11.2	2.3	0.0	2.9
	16 - 17	0.0	0.0	0.0	0.1	2.6	13.3	18.7	19.2	18.3	16.0	10.4	1.6	0.0	2.9
	17 - 18	0.0	0.0	0.0	0.1	3.0	14.7	19.7	19.6	18.2	14.9	8.7	0.9	0.0	3.0
	18 - 19	0.0	0.0	0.0	0.2	3.8	16.1	20.2	21.5	18.4	13.9	5.7	0.3	0.0	3.0
	19 - 20	0.0	0.0	0.0	0.2	4.4	17.4	21.2	23.0	19.0	12.9	1.9	0.0	0.0	4.3
	20 - 21	0.0	0.0	0.0	0.3	4.7	18.6	22.2	23.8	19.3	10.3	0.8	0.0	0.0	3.1
	21 - 22	0.0	0.0	0.0	0.4	5.4	19.5	23.1	24.4	19.8	7.0	0.3	0.0	0.0	3.2
	22 - 23	0.0	0.0	0.0	0.6	6.5	19.6	24.1	24.9	19.8	4.5	0.2	0.0	0.0	3.1
	23 - 00	0.0	0.0	0.0	0.8	7.2	20.0	24.8	25.2	19.1	2.7	0.1	0.0	0.0	0.0

4.1.2. Temperature per Month

Example (dark shading): In the 10 years period in January 35.6% of all observations between 14 and 15 UTC showed a temperature between 5 and 9 degrees Celsius.

	Temperature (° C) January														
Time (UTC)		< -20	-20 – -16	-15 – -11	-10 – -6	-5 – - 1	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	≥35	NA
	00 - 01	0.0	0.0	0.0	5.3	31.1	46.5	15.8	1.3	0.0	0.0	0.0	0.0	0.0	11.9
	01 - 02	0.0	0.0	0.0	5.1	32.6	45.8	15.0	1.5	0.0	0.0	0.0	0.0	0.0	56.0
	02 - 03	0.0	0.0	0.0	5.1	31.3	46.7	15.8	1.1	0.0	0.0	0.0	0.0	0.0	12.3
	03 - 04	0.0	0.0	0.0	5.3	33.9	46.4	13.3	1.1	0.0	0.0	0.0	0.0	0.0	11.6
	04 - 05	0.0	0.0	0.0	4.5	34.9	46.5	12.9	1.1	0.0	0.0	0.0	0.0	0.0	11.3
	05 - 06	0.0	0.0	0.0	5.1	34.7	45.4	13.8	1.1	0.0	0.0	0.0	0.0	0.0	11.1
	06 - 07	0.0	0.0	0.0	4.9	36.8	43.2	14.4	0.7	0.0	0.0	0.0	0.0	0.0	11.5
	07 - 08	0.0	0.0	0.0	4.7	34.7	43.9	16.2	0.5	0.0	0.0	0.0	0.0	0.0	11.1
	08 - 09	0.0	0.0	0.0	4.4	28.3	49.6	17.3	0.4	0.0	0.0	0.0	0.0	0.0	11.6
	09 - 10	0.0	0.0	0.0	1.6	22.7	51.5	23.1	1.1	0.0	0.0	0.0	0.0	0.0	11.3
	10 - 11	0.0	0.0	0.0	0.7	17.6	49.6	28.9	3.1	0.0	0.0	0.0	0.0	0.0	11.3
	11 - 12	0.0	0.0	0.0	0.5	13.0	48.2	31.9	6.4	0.0	0.0	0.0	0.0	0.0	11.6
	12 - 13	0.0	0.0	0.0	0.4	10.9	44.6	36.4	7.8	0.0	0.0	0.0	0.0	0.0	11.0
	13 - 14	0.0	0.0	0.0	0.0	10.0	45.3	35.0	9.7	0.0	0.0	0.0	0.0	0.0	11.6
	14 - 15	0.0	0.0	0.0	0.0	10.8	43.8	35.6	9.7	0.2	0.0	0.0	0.0	0.0	11.6
	15 - 16	0.0	0.0	0.0	0.0	12.1	45.1	35.7	7.1	0.0	0.0	0.0	0.0	0.0	11.0
	16 - 17	0.0	0.0	0.0	0.4	15.4	48.2	31.7	4.3	0.0	0.0	0.0	0.0	0.0	11.0
	17 - 18	0.0	0.0	0.0	0.9	18.4	47.4	29.4	3.8	0.0	0.0	0.0	0.0	0.0	11.6
	18 - 19	0.0	0.0	0.0	1.5	20.9	49.5	25.1	2.9	0.0	0.0	0.0	0.0	0.0	11.5
	19 - 20	0.0	0.0	0.0	1.8	21.9	52.8	21.1	2.4	0.0	0.0	0.0	0.0	0.0	12.3
	20 - 21	0.0	0.0	0.0	2.4	21.7	54.9	19.0	2.0	0.0	0.0	0.0	0.0	0.0	11.6
	21 - 22	0.0	0.0	0.4	2.5	24.5	53.1	18.0	1.5	0.0	0.0	0.0	0.0	0.0	11.3
	22 - 23	0.0	0.0	0.2	3.1	28.1	49.3	18.4	0.9	0.0	0.0	0.0	0.0	0.0	11.6
	23 - 00	0.0	0.0	0.0	5.1	29.0	48.8	16.0	1.1	0.0	0.0	0.0	0.0	0.0	

	Temperature (° C) February														
Time (UTC)		< -20	-20 – -16	-15 – -11	-10 – -6	-5 – - 1	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	≥35	NA
	00 - 01	0.0	0.0	0.0	1.1	27.7	46.2	23.7	1.3	0.0	0.0	0.0	0.0	0.0	20.6
	01 - 02	0.0	0.0	0.0	1.4	29.7	44.6	23.0	1.4	0.0	0.0	0.0	0.0	0.0	60.6
	02 - 03	0.0	0.0	0.0	2.3	30.4	45.0	20.9	1.4	0.0	0.0	0.0	0.0	0.0	21.3
	03 - 04	0.0	0.0	0.0	2.3	32.2	44.6	19.4	1.6	0.0	0.0	0.0	0.0	0.0	21.3
	04 - 05	0.0	0.0	0.0	2.7	32.4	43.1	20.8	1.1	0.0	0.0	0.0	0.0	0.0	20.6
	05 - 06	0.0	0.0	0.0	2.4	32.5	41.0	22.7	1.3	0.0	0.0	0.0	0.0	0.0	20.4
	06 - 07	0.0	0.0	0.0	2.4	31.4	42.5	22.5	1.1	0.0	0.0	0.0	0.0	0.0	20.4
	07 - 08	0.0	0.0	0.0	2.0	25.2	47.0	24.7	1.1	0.0	0.0	0.0	0.0	0.0	20.4
	08 - 09	0.0	0.0	0.0	0.7	14.3	53.7	29.8	1.6	0.0	0.0	0.0	0.0	0.0	20.7
	09 - 10	0.0	0.0	0.0	0.0	10.5	48.1	35.6	5.8	0.0	0.0	0.0	0.0	0.0	20.4
	10 - 11	0.0	0.0	0.0	0.0	7.8	38.5	43.7	10.0	0.0	0.0	0.0	0.0	0.0	20.4
	11 - 12	0.0	0.0	0.0	0.0	5.8	35.0	45.0	13.4	0.9	0.0	0.0	0.0	0.0	20.4
	12 - 13	0.0	0.0	0.0	0.0	4.7	32.1	45.0	16.0	2.2	0.0	0.0	0.0	0.0	20.4
	13 - 14	0.0	0.0	0.0	0.0	4.0	31.5	43.2	18.8	2.5	0.0	0.0	0.0	0.0	20.7
	14 - 15	0.0	0.0	0.0	0.0	3.8	30.6	45.8	17.6	2.2	0.0	0.0	0.0	0.0	20.6
	15 - 16	0.0	0.0	0.0	0.0	4.7	31.7	44.6	17.6	1.3	0.0	0.0	0.0	0.0	20.6
	16 - 17	0.0	0.0	0.0	0.0	6.0	32.5	47.0	13.8	0.7	0.0	0.0	0.0	0.0	20.4
	17 - 18	0.0	0.0	0.0	0.0	6.9	40.0	43.1	10.0	0.0	0.0	0.0	0.0	0.0	20.2
	18 - 19	0.0	0.0	0.0	0.0	9.1	45.7	38.1	7.1	0.0	0.0	0.0	0.0	0.0	20.4
	19 - 20	0.0	0.0	0.0	0.0	13.0	47.2	35.8	4.0	0.0	0.0	0.0	0.0	0.0	20.7
	20 - 21	0.0	0.0	0.0	0.0	14.7	48.2	33.9	3.1	0.0	0.0	0.0	0.0	0.0	20.6
	21 - 22	0.0	0.0	0.0	0.2	16.5	52.8	27.8	2.7	0.0	0.0	0.0	0.0	0.0	20.4
	22 - 23	0.0	0.0	0.0	0.9	21.4	50.0	24.8	2.9	0.0	0.0	0.0	0.0	0.0	20.6
	23 - 00	0.0	0.0	0.0	0.9	24.6	48.1	23.9	2.5	0.0	0.0	0.0	0.0	0.0	20.7

	Temperature (° C) March													
Time (UTC)		< -20	-20 – -16	-15 – -11	-10 – -6	-5 – - 1	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	≥35	NA
	00 - 01	0.0	0.0	0.0	0.0	11.2	40.4	39.3	8.7	0.3	0.0	0.0	0.0	0.0	2.3
	01 - 02	0.0	0.0	0.0	0.0	14.3	42.9	34.4	8.4	0.0	0.0	0.0	0.0	0.0	50.3
	02 - 03	0.0	0.0	0.0	0.0	16.1	44.5	32.0	7.5	0.0	0.0	0.0	0.0	0.0	0.6
	03 - 04	0.0	0.0	0.0	0.0	17.9	44.5	31.4	6.2	0.0	0.0	0.0	0.0	0.0	1.0
	04 - 05	0.0	0.0	0.0	0.2	18.9	46.7	28.6	5.7	0.0	0.0	0.0	0.0	0.0	0.8
	05 - 06	0.0	0.0	0.0	0.0	20.7	45.4	28.9	5.0	0.0	0.0	0.0	0.0	0.0	0.2
	06 - 07	0.0	0.0	0.0	0.5	15.5	46.6	31.2	6.1	0.0	0.0	0.0	0.0	0.0	0.3
	07 - 08	0.0	0.0	0.0	0.0	5.4	38.7	46.2	9.8	0.0	0.0	0.0	0.0	0.0	0.8
	08 - 09	0.0	0.0	0.0	0.0	1.1	24.8	54.5	18.6	1.0	0.0	0.0	0.0	0.0	0.5
	09 - 10	0.0	0.0	0.0	0.0	0.5	18.1	47.2	31.5	2.7	0.0	0.0	0.0	0.0	0.2
	10 - 11	0.0	0.0	0.0	0.0	0.0	14.2	41.5	36.9	7.3	0.2	0.0	0.0	0.0	0.0
	11 - 12	0.0	0.0	0.0	0.0	0.0	10.4	33.3	42.7	12.8	0.8	0.0	0.0	0.0	0.6
	12 - 13	0.0	0.0	0.0	0.0	0.0	7.9	31.7	41.7	17.2	1.5	0.0	0.0	0.0	0.3
	13 - 14	0.0	0.0	0.0	0.0	0.0	7.3	28.8	41.3	20.5	2.1	0.0	0.0	0.0	0.8
	14 - 15	0.0	0.0	0.0	0.0	0.0	7.3	28.1	40.4	21.3	2.9	0.0	0.0	0.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	8.1	28.5	42.1	18.6	2.8	0.0	0.0	0.0	0.3
	16 - 17	0.0	0.0	0.0	0.0	0.0	10.4	29.4	43.0	15.5	1.6	0.0	0.0	0.0	0.3
	17 - 18	0.0	0.0	0.0	0.0	0.0	14.1	37.4	39.5	8.4	0.5	0.0	0.0	0.0	0.5
	18 - 19	0.0	0.0	0.0	0.0	0.3	18.4	43.6	32.8	4.9	0.0	0.0	0.0	0.0	0.8
	19 - 20	0.0	0.0	0.0	0.0	0.5	25.3	46.7	25.5	2.0	0.0	0.0	0.0	0.0	2.6
	20 - 21	0.0	0.0	0.0	0.0	0.6	30.4	47.6	19.6	1.8	0.0	0.0	0.0	0.0	0.6
	21 - 22	0.0	0.0	0.0	0.0	2.4	35.1	44.9	16.6	1.0	0.0	0.0	0.0	0.0	0.8
	22 - 23	0.0	0.0	0.0	0.0	5.7	37.8	42.4	13.7	0.3	0.0	0.0	0.0	0.0	1.1
	23 - 00	0.0	0.0	0.0	0.0	8.5	40.3	40.6	10.3	0.3	0.0	0.0	0.0	0.0	1.5

	Temperature (° C) April													
Time (UTC)		< -20	-20 – -16	-15 – -11	-10 – -6	-5 – - 1	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	≥35	NA
	00 - 01	0.0	0.0	0.0	0.0	0.7	26.5	54.1	17.9	0.9	0.0	0.0	0.0	0.0	2.0
	01 - 02	0.0	0.0	0.0	0.0	1.7	32.5	51.4	13.7	0.7	0.0	0.0	0.0	0.0	51.3
	02 - 03	0.0	0.0	0.0	0.0	2.0	31.9	52.9	12.8	0.3	0.0	0.0	0.0	0.0	0.8
	03 - 04	0.0	0.0	0.0	0.0	2.5	36.9	50.8	9.4	0.3	0.0	0.0	0.0	0.0	1.0
	04 - 05	0.0	0.0	0.0	0.0	3.4	40.6	47.0	8.6	0.3	0.0	0.0	0.0	0.0	1.2
	05 - 06	0.0	0.0	0.0	0.0	3.0	37.8	48.6	10.5	0.2	0.0	0.0	0.0	0.0	1.2
	06 - 07	0.0	0.0	0.0	0.0	0.3	23.0	54.8	21.5	0.3	0.0	0.0	0.0	0.0	0.8
	07 - 08	0.0	0.0	0.0	0.0	0.0	12.2	50.4	35.2	2.2	0.0	0.0	0.0	0.0	1.5
	08 - 09	0.0	0.0	0.0	0.0	0.0	9.3	39.6	42.7	8.4	0.0	0.0	0.0	0.0	1.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	5.5	34.8	42.7	16.8	0.2	0.0	0.0	0.0	0.8
	10 - 11	0.0	0.0	0.0	0.0	0.0	3.5	30.5	41.0	23.8	1.2	0.0	0.0	0.0	1.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	2.7	24.9	39.9	28.3	4.2	0.0	0.0	0.0	1.0
	12 - 13	0.0	0.0	0.0	0.0	0.0	3.0	22.2	36.8	31.6	6.4	0.0	0.0	0.0	0.8
	13 - 14	0.0	0.0	0.0	0.0	0.0	2.5	21.9	33.2	32.9	9.4	0.0	0.0	0.0	1.2
	14 - 15	0.0	0.0	0.0	0.0	0.0	2.2	21.4	31.7	34.1	10.1	0.5	0.0	0.0	1.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	1.8	20.0	32.8	36.1	8.7	0.5	0.0	0.0	0.8
	16 - 17	0.0	0.0	0.0	0.0	0.0	2.7	21.4	34.5	32.7	8.8	0.0	0.0	0.0	1.0
	17 - 18	0.0	0.0	0.0	0.0	0.0	3.5	25.2	38.1	27.2	6.0	0.0	0.0	0.0	0.7
	18 - 19	0.0	0.0	0.0	0.0	0.0	6.4	31.6	41.4	19.5	1.0	0.0	0.0	0.0	1.0
	19 - 20	0.0	0.0	0.0	0.0	0.0	7.7	40.6	40.2	11.5	0.0	0.0	0.0	0.0	2.7
	20 - 21	0.0	0.0	0.0	0.0	0.0	9.8	45.6	37.5	7.1	0.0	0.0	0.0	0.0	1.0
	21 - 22	0.0	0.0	0.0	0.0	0.0	14.0	49.8	32.3	3.9	0.0	0.0	0.0	0.0	1.0
	22 - 23	0.0	0.0	0.0	0.0	0.3	16.7	54.6	26.4	2.0	0.0	0.0	0.0	0.0	1.3
	23 - 00	0.0	0.0	0.0	0.0	0.7	20.8	54.5	23.0	1.0	0.0	0.0	0.0	0.0	0.8

	Temperature (° C) May													
Time (UTC)		< -20	-20 – -16	-15 – -11	-10 – -6	-5 – - 1	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	≥35	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	1.5	25.5	57.7	15.2	0.2	0.0	0.0	0.0	2.1
	01 - 02	0.0	0.0	0.0	0.0	0.0	2.3	28.7	61.6	7.5	0.0	0.0	0.0	0.0	50.5
	02 - 03	0.0	0.0	0.0	0.0	0.0	2.8	32.2	58.9	6.1	0.0	0.0	0.0	0.0	0.3
	03 - 04	0.0	0.0	0.0	0.0	0.0	4.2	34.6	56.3	4.9	0.0	0.0	0.0	0.0	0.3
	04 - 05	0.0	0.0	0.0	0.0	0.0	4.2	36.0	55.3	4.5	0.0	0.0	0.0	0.0	0.0
	05 - 06	0.0	0.0	0.0	0.0	0.0	1.5	25.9	63.7	8.9	0.0	0.0	0.0	0.0	0.5
	06 - 07	0.0	0.0	0.0	0.0	0.0	0.3	9.4	66.1	23.3	1.0	0.0	0.0	0.0	0.2
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.3	5.0	51.1	38.9	4.7	0.0	0.0	0.0	0.0
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.3	4.8	39.7	46.5	8.5	0.2	0.0	0.0	0.0
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.3	3.2	30.8	47.5	18.0	0.2	0.0	0.0	0.5
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.3	3.1	21.6	49.1	23.7	2.1	0.0	0.0	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.3	3.2	16.9	45.6	30.2	3.7	0.0	0.0	0.0
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.3	1.9	14.7	41.0	35.2	6.8	0.0	0.0	0.2
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.3	2.1	14.1	38.7	35.6	9.2	0.0	0.0	0.3
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.3	2.4	13.9	35.4	38.3	9.4	0.3	0.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.3	2.3	16.1	32.7	38.1	10.3	0.2	0.0	0.0
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.3	2.6	18.1	33.6	36.8	8.6	0.0	0.0	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.3	2.9	23.4	37.7	29.5	6.2	0.0	0.0	0.6
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.3	2.9	30.5	42.9	21.1	2.3	0.0	0.0	0.5
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.3	4.1	42.6	43.1	9.9	0.0	0.0	0.0	0.8
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.6	6.3	50.5	38.1	4.4	0.0	0.0	0.0	0.6
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.8	9.1	58.0	29.6	2.4	0.0	0.0	0.0	1.0
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.8	13.8	59.2	25.6	0.6	0.0	0.0	0.0	0.3
	23 - 00	0.0	0.0	0.0	0.0	0.0	1.1	19.8	58.4	20.3	0.3	0.0	0.0	0.0	1.5

	Temperature (° C) June													
Time (UTC)		< -20	-20 – -16	-15 – -11	-10 – -6	-5 – - 1	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	≥35	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	0.2	8.2	48.3	38.9	3.9	0.5	0.0	0.0	2.0
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.3	12.5	53.4	31.1	2.0	0.7	0.0	0.0	50.7
	02 - 03	0.0	0.0	0.0	0.0	0.0	0.5	13.8	55.0	29.1	1.5	0.2	0.0	0.0	0.8
	03 - 04	0.0	0.0	0.0	0.0	0.0	0.8	16.1	56.1	26.0	1.0	0.0	0.0	0.0	0.5
	04 - 05	0.0	0.0	0.0	0.0	0.0	0.5	15.2	55.6	27.4	1.3	0.0	0.0	0.0	0.2
	05 - 06	0.0	0.0	0.0	0.0	0.0	0.0	6.2	49.2	41.6	3.0	0.0	0.0	0.0	0.3
	06 - 07	0.0	0.0	0.0	0.0	0.0	0.0	1.3	34.6	48.6	15.4	0.2	0.0	0.0	0.2
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.5	25.3	43.9	29.1	1.2	0.0	0.0	0.5
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.3	17.2	44.8	33.2	4.5	0.0	0.0	0.0
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.3	11.8	41.5	35.7	10.7	0.0	0.0	0.0
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.3	8.3	36.0	38.5	16.3	0.5	0.0	0.0
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.3	7.7	29.5	38.2	23.2	1.0	0.0	0.2
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.3	6.0	27.1	37.4	26.5	2.7	0.0	0.5
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.3	6.5	24.1	35.5	29.1	4.5	0.0	0.3
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.2	7.3	23.7	32.6	31.1	5.2	0.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	25.8	30.5	31.2	5.5	0.0	0.5
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.3	8.3	25.9	33.9	27.9	3.7	0.0	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.3	8.5	30.1	36.1	22.7	2.3	0.0	0.2
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.2	12.4	34.7	34.9	17.2	0.7	0.0	0.2
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.5	39.9	34.8	4.8	0.0	0.0	1.8
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	1.0	27.1	43.9	26.1	1.8	0.0	0.0	0.5
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	1.7	33.7	48.5	15.4	0.7	0.0	0.0	0.7
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	3.9	39.3	46.8	9.7	0.3	0.0	0.0	0.7
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	6.0	43.8	43.5	6.4	0.3	0.0	0.0	0.7

	Temperature (° C) July													
Time (UTC)		< -20	-20 – -16	-15 – -11	-10 – -6	-5 – - 1	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	≥35	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	1.6	30.5	56.1	11.3	0.5	0.0	0.0	1.6
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.0	2.6	35.3	55.2	6.9	0.0	0.0	0.0	50.6
	02 - 03	0.0	0.0	0.0	0.0	0.0	0.0	3.1	38.1	51.5	7.3	0.0	0.0	0.0	1.0
	03 - 04	0.0	0.0	0.0	0.0	0.0	0.0	5.0	37.8	52.1	5.0	0.0	0.0	0.0	0.6
	04 - 05	0.0	0.0	0.0	0.0	0.0	0.0	4.6	38.0	54.0	3.4	0.0	0.0	0.0	1.1
	05 - 06	0.0	0.0	0.0	0.0	0.0	0.0	1.3	29.0	61.9	7.8	0.0	0.0	0.0	0.5
	06 - 07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	59.0	25.4	0.6	0.0	0.0	0.5
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	47.0	40.9	2.8	0.0	0.0	1.1
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	36.6	48.5	8.8	0.0	0.0	0.5
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	28.0	51.7	16.6	0.3	0.0	0.8
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	19.3	51.9	23.9	1.6	0.0	0.3
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	15.2	48.5	29.8	3.4	0.0	0.5
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	14.4	41.4	35.6	5.8	0.0	0.3
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	13.2	36.8	38.8	8.3	0.0	1.0
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	13.2	33.8	40.7	9.5	0.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	12.8	35.7	39.9	9.0	0.0	0.2
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	14.7	36.6	39.2	7.3	0.0	0.3
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	17.3	37.5	37.2	4.7	0.0	0.2
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	20.7	45.1	27.4	1.5	0.0	0.5
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	32.3	48.9	11.9	0.0	0.0	1.1
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.2	10.3	42.6	42.3	4.5	0.0	0.0	0.2
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.2	13.3	51.9	32.8	1.8	0.0	0.0	0.8
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.5	17.8	56.7	23.8	1.3	0.0	0.0	1.0
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	0.8	23.9	59.6	14.5	1.1	0.0	0.0	1.0

	Temperature (° C) August													
Time (UTC)		< -20	-20 – -16	-15 – -11	-10 – -6	-5 – - 1	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	≥35	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	0.0	2.0	28.1	64.0	5.9	0.0	0.0	0.0	1.9
	01 - 02	0.0	0.0	0.0	0.0	0.0	0.0	3.0	33.3	60.1	3.6	0.0	0.0	0.0	51.1
	02 - 03	0.0	0.0	0.0	0.0	0.0	0.0	3.1	36.3	58.4	2.3	0.0	0.0	0.0	0.8
	03 - 04	0.0	0.0	0.0	0.0	0.0	0.0	3.3	40.1	54.8	1.8	0.0	0.0	0.0	1.1
	04 - 05	0.0	0.0	0.0	0.0	0.0	0.0	4.1	42.8	51.9	1.3	0.0	0.0	0.0	0.5
	05 - 06	0.0	0.0	0.0	0.0	0.0	0.0	2.9	37.6	56.9	2.4	0.2	0.0	0.0	0.0
	06 - 07	0.0	0.0	0.0	0.0	0.0	0.0	0.5	16.3	68.8	14.4	0.0	0.0	0.0	0.2
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	53.1	37.7	1.3	0.0	0.0	0.3
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	38.0	53.2	4.5	0.0	0.0	0.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	26.5	54.9	15.7	0.0	0.0	0.2
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	21.3	50.1	26.2	1.1	0.0	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	17.6	44.8	34.0	2.4	0.0	0.3
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	15.7	39.3	39.4	5.0	0.0	0.2
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	14.1	37.0	40.9	7.6	0.0	0.6
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	14.1	35.0	38.3	11.8	0.0	0.3
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	15.4	32.8	39.3	11.4	0.2	0.6
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	16.3	36.9	38.2	7.1	0.2	0.0
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	20.2	41.9	33.2	3.5	0.0	0.0
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	29.9	46.6	19.4	1.0	0.0	0.3
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	39.5	49.3	5.6	0.0	0.0	2.1
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	48.0	40.9	2.6	0.0	0.0	1.0
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	58.7	27.5	1.0	0.0	0.0	0.8
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.0	0.5	17.6	64.7	16.9	0.3	0.0	0.0	1.0
	23 - 00	0.0	0.0	0.0	0.0	0.0	0.0	1.6	22.1	66.9	9.3	0.2	0.0	0.0	0.6

	Temperature (° C) September													
Time (UTC)		< -20	-20 – -16	-15 – -11	-10 – -6	-5 – - 1	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	≥35	NA
	00 - 01	0.0	0.0	0.0	0.0	0.0	1.5	23.6	53.5	20.2	1.2	0.0	0.0	0.0	1.2
	01 - 02	0.0	0.0	0.0	0.0	0.0	2.0	24.8	58.1	13.8	1.3	0.0	0.0	0.0	50.3
	02 - 03	0.0	0.0	0.0	0.0	0.0	2.0	28.1	54.8	13.4	1.7	0.0	0.0	0.0	0.5
	03 - 04	0.0	0.0	0.0	0.0	0.0	2.7	29.1	54.5	12.6	1.2	0.0	0.0	0.0	0.8
	04 - 05	0.0	0.0	0.0	0.0	0.0	3.8	30.2	52.8	12.2	1.0	0.0	0.0	0.0	0.2
	05 - 06	0.0	0.0	0.0	0.0	0.0	3.9	29.6	53.9	11.8	0.8	0.0	0.0	0.0	0.8
	06 - 07	0.0	0.0	0.0	0.0	0.0	1.3	22.1	55.5	19.7	1.3	0.0	0.0	0.0	0.3
	07 - 08	0.0	0.0	0.0	0.0	0.0	0.0	9.2	55.9	33.2	1.7	0.0	0.0	0.0	0.5
	08 - 09	0.0	0.0	0.0	0.0	0.0	0.0	4.0	40.9	48.4	6.7	0.0	0.0	0.0	0.2
	09 - 10	0.0	0.0	0.0	0.0	0.0	0.0	1.2	33.7	51.0	14.0	0.2	0.0	0.0	0.0
	10 - 11	0.0	0.0	0.0	0.0	0.0	0.0	0.7	26.8	51.5	20.2	0.8	0.0	0.0	0.3
	11 - 12	0.0	0.0	0.0	0.0	0.0	0.0	1.5	18.6	52.3	23.9	3.7	0.0	0.0	0.3
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.0	0.7	17.3	47.7	28.4	6.0	0.0	0.0	0.7
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.0	1.0	16.8	41.4	32.9	7.9	0.0	0.0	0.7
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.0	1.0	16.7	40.7	32.4	9.2	0.0	0.0	0.2
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.0	1.3	17.6	40.0	32.3	8.9	0.0	0.0	0.3
	16 - 17	0.0	0.0	0.0	0.0	0.0	0.0	1.3	20.6	44.5	27.5	6.0	0.0	0.0	0.7
	17 - 18	0.0	0.0	0.0	0.0	0.0	0.0	1.8	26.6	50.1	20.0	1.5	0.0	0.0	0.8
	18 - 19	0.0	0.0	0.0	0.0	0.0	0.0	4.2	38.0	46.3	11.4	0.2	0.0	0.0	0.3
	19 - 20	0.0	0.0	0.0	0.0	0.0	0.0	6.1	45.2	42.3	6.5	0.0	0.0	0.0	1.8
	20 - 21	0.0	0.0	0.0	0.0	0.0	0.0	8.8	50.9	35.1	5.2	0.0	0.0	0.0	0.2
	21 - 22	0.0	0.0	0.0	0.0	0.0	0.0	14.7	51.4	30.8	3.0	0.0	0.0	0.0	0.5
	22 - 23	0.0	0.0	0.0	0.0	0.0	0.2	18.7	53.1	27.0	1.0	0.0	0.0	0.0	0.2
	23 - 00	0.0	0.0	0.0	0.0	0.0	1.0	20.6	54.1	23.3	1.0	0.0	0.0	0.0	1.2

	Temperature (° C) October													
Time (UTC)		< -20	-20 – -16	-15 – -11	-10 – -6	-5 – - 1	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	≥35	NA
	00 - 01	0.0	0.0	0.0	0.0	0.3	6.4	44.6	43.0	5.7	0.0	0.0	0.0	0.0	1.0
	01 - 02	0.0	0.0	0.0	0.0	0.3	6.8	46.3	42.1	4.5	0.0	0.0	0.0	0.0	50.2
	02 - 03	0.0	0.0	0.0	0.0	0.3	8.4	46.4	40.9	4.0	0.0	0.0	0.0	0.0	0.2
	03 - 04	0.0	0.0	0.0	0.0	0.7	9.1	47.9	38.8	3.6	0.0	0.0	0.0	0.0	1.0
	04 - 05	0.0	0.0	0.0	0.0	1.0	8.8	48.8	38.7	2.8	0.0	0.0	0.0	0.0	0.8
	05 - 06	0.0	0.0	0.0	0.0	1.0	8.9	47.5	39.6	3.1	0.0	0.0	0.0	0.0	0.2
	06 - 07	0.0	0.0	0.0	0.0	0.8	7.8	45.9	42.0	3.6	0.0	0.0	0.0	0.0	0.5
	07 - 08	0.0	0.0	0.0	0.0	0.5	3.4	39.0	50.6	6.3	0.2	0.0	0.0	0.0	0.3
	08 - 09	0.0	0.0	0.0	0.0	0.3	1.1	27.2	60.8	9.7	0.8	0.0	0.0	0.0	0.5
	09 - 10	0.0	0.0	0.0	0.0	0.0	1.3	15.9	63.5	17.7	1.6	0.0	0.0	0.0	0.5
	10 - 11	0.0	0.0	0.0	0.0	0.0	1.3	10.7	57.7	27.5	2.9	0.0	0.0	0.0	0.2
	11 - 12	0.0	0.0	0.0	0.0	0.0	1.3	7.8	50.4	35.7	4.9	0.0	0.0	0.0	0.5
	12 - 13	0.0	0.0	0.0	0.0	0.0	0.8	7.9	45.5	39.7	5.8	0.2	0.0	0.0	0.5
	13 - 14	0.0	0.0	0.0	0.0	0.0	0.6	7.6	43.3	39.7	8.1	0.6	0.0	0.0	0.2
	14 - 15	0.0	0.0	0.0	0.0	0.0	0.3	8.6	42.5	38.6	9.6	0.5	0.0	0.0	0.5
	15 - 16	0.0	0.0	0.0	0.0	0.0	0.5	9.6	45.0	37.7	7.3	0.0	0.0	0.0	0.6
	16 - 17	0.0	0.0	0.0	0.0	0.0	1.1	10.7	55.6	29.1	3.6	0.0	0.0	0.0	0.2
	17 - 18	0.0	0.0	0.0	0.0	0.0	1.3	17.0	58.8	21.2	1.8	0.0	0.0	0.0	0.2
	18 - 19	0.0	0.0	0.0	0.0	0.0	1.6	21.6	61.8	14.4	0.6	0.0	0.0	0.0	0.0
	19 - 20	0.0	0.0	0.0	0.0	0.7	2.0	27.8	59.8	9.5	0.3	0.0	0.0	0.0	1.3
	20 - 21	0.0	0.0	0.0	0.0	1.0	2.1	34.2	55.6	6.8	0.3	0.0	0.0	0.0	0.5
	21 - 22	0.0	0.0	0.0	0.0	0.6	3.2	38.5	51.5	5.8	0.3	0.0	0.0	0.0	0.6
	22 - 23	0.0	0.0	0.0	0.0	0.6	4.5	40.7	47.9	6.0	0.2	0.0	0.0	0.0	0.6
	23 - 00	0.0	0.0	0.0	0.0	0.6	5.5	44.6	43.4	5.8	0.0	0.0	0.0	0.0	0.5

	Temperature (° C) November													
Time (UTC)		< -20	-20 – -16	-15 – -11	-10 – -6	-5 – - 1	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	≥35	NA
	00 - 01	0.0	0.0	0.0	0.7	11.8	40.1	38.8	7.9	0.7	0.0	0.0	0.0	0.0	1.2
	01 - 02	0.0	0.0	0.0	0.7	13.5	39.5	38.2	7.4	0.7	0.0	0.0	0.0	0.0	50.7
	02 - 03	0.0	0.0	0.0	0.7	13.3	41.2	38.0	6.6	0.3	0.0	0.0	0.0	0.0	0.8
	03 - 04	0.0	0.0	0.0	0.7	14.1	42.5	36.4	5.9	0.3	0.0	0.0	0.0	0.0	1.7
	04 - 05	0.0	0.0	0.0	0.3	15.0	42.2	36.1	6.1	0.3	0.0	0.0	0.0	0.0	1.2
	05 - 06	0.0	0.0	0.0	0.2	15.3	42.4	36.4	5.4	0.3	0.0	0.0	0.0	0.0	0.7
	06 - 07	0.0	0.0	0.0	0.5	14.5	41.1	38.4	5.1	0.3	0.0	0.0	0.0	0.0	1.2
	07 - 08	0.0	0.0	0.0	0.0	11.2	39.8	42.8	5.9	0.3	0.0	0.0	0.0	0.0	0.3
	08 - 09	0.0	0.0	0.0	0.0	7.9	35.1	46.9	9.8	0.3	0.0	0.0	0.0	0.0	1.2
	09 - 10	0.0	0.0	0.0	0.0	5.1	28.3	50.8	15.5	0.3	0.0	0.0	0.0	0.0	1.0
	10 - 11	0.0	0.0	0.0	0.0	3.4	24.7	48.4	22.5	1.0	0.0	0.0	0.0	0.0	0.8
	11 - 12	0.0	0.0	0.0	0.0	2.2	23.2	47.8	25.1	1.7	0.0	0.0	0.0	0.0	1.0
	12 - 13	0.0	0.0	0.0	0.0	1.7	21.0	46.3	28.1	2.9	0.0	0.0	0.0	0.0	1.0
	13 - 14	0.0	0.0	0.0	0.0	1.2	22.4	45.1	27.8	3.5	0.0	0.0	0.0	0.0	1.0
	14 - 15	0.0	0.0	0.0	0.0	1.5	22.7	44.5	27.4	3.9	0.0	0.0	0.0	0.0	0.8
	15 - 16	0.0	0.0	0.0	0.0	2.0	24.6	46.9	24.6	1.9	0.0	0.0	0.0	0.0	1.2
	16 - 17	0.0	0.0	0.0	0.0	2.7	27.7	49.7	19.6	0.3	0.0	0.0	0.0	0.0	1.2
	17 - 18	0.0	0.0	0.0	0.0	3.4	32.7	49.7	13.9	0.3	0.0	0.0	0.0	0.0	1.5
	18 - 19	0.0	0.0	0.0	0.0	5.1	33.8	47.8	12.8	0.5	0.0	0.0	0.0	0.0	1.3
	19 - 20	0.0	0.0	0.0	0.0	6.2	36.6	44.4	12.1	0.7	0.0	0.0	0.0	0.0	3.8
	20 - 21	0.0	0.0	0.0	0.2	6.9	39.2	43.1	10.3	0.3	0.0	0.0	0.0	0.0	1.0
	21 - 22	0.0	0.0	0.0	0.5	7.6	39.6	43.7	8.3	0.3	0.0	0.0	0.0	0.0	1.5
	22 - 23	0.0	0.0	0.0	0.7	8.2	41.3	41.3	8.1	0.5	0.0	0.0	0.0	0.0	0.7
	23 - 00	0.0	0.0	0.0	0.7	9.9	41.1	40.2	7.7	0.3	0.0	0.0	0.0	0.0	1.0

	Temperature (° C) December													
Time (UTC)		< -20	-20 – -16	-15 – -11	-10 – -6	-5 – - 1	0 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30 – 34	≥35	NA
	00 - 01	0.0	0.0	0.0	3.4	19.9	44.9	28.2	3.6	0.0	0.0	0.0	0.0	0.0	1.1
	01 - 02	0.0	0.0	0.0	3.2	20.1	46.9	26.9	2.9	0.0	0.0	0.0	0.0	0.0	50.2
	02 - 03	0.0	0.0	0.0	3.2	20.7	47.6	24.9	3.6	0.0	0.0	0.0	0.0	0.0	0.3
	03 - 04	0.0	0.0	0.0	3.4	20.9	47.0	25.2	3.4	0.0	0.0	0.0	0.0	0.0	1.5
	04 - 05	0.0	0.0	0.0	3.4	22.5	47.2	23.8	3.1	0.0	0.0	0.0	0.0	0.0	0.5
	05 - 06	0.0	0.0	0.0	3.7	22.6	47.3	23.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0
	06 - 07	0.0	0.0	0.0	3.9	23.0	47.3	23.0	2.8	0.0	0.0	0.0	0.0	0.0	0.5
	07 - 08	0.0	0.0	0.0	3.7	20.2	48.8	24.7	2.6	0.0	0.0	0.0	0.0	0.0	0.8
	08 - 09	0.0	0.0	0.0	2.3	17.1	50.6	26.8	3.3	0.0	0.0	0.0	0.0	0.0	1.1
	09 - 10	0.0	0.0	0.0	1.0	13.6	48.8	31.8	4.9	0.0	0.0	0.0	0.0	0.0	0.5
	10 - 11	0.0	0.0	0.0	1.0	9.2	46.2	36.8	6.8	0.0	0.0	0.0	0.0	0.0	0.2
	11 - 12	0.0	0.0	0.0	1.0	5.3	43.8	39.9	10.0	0.0	0.0	0.0	0.0	0.0	0.5
	12 - 13	0.0	0.0	0.0	0.5	4.5	40.2	42.5	12.3	0.0	0.0	0.0	0.0	0.0	0.5
	13 - 14	0.0	0.0	0.0	0.3	4.7	39.9	41.5	13.6	0.0	0.0	0.0	0.0	0.0	0.5
	14 - 15	0.0	0.0	0.0	0.3	4.8	41.5	40.9	12.3	0.2	0.0	0.0	0.0	0.0	0.2
	15 - 16	0.0	0.0	0.0	0.6	5.5	43.4	41.3	9.2	0.0	0.0	0.0	0.0	0.0	0.3
	16 - 17	0.0	0.0	0.0	0.6	8.6	45.1	39.9	5.8	0.0	0.0	0.0	0.0	0.0	0.5
	17 - 18	0.0	0.0	0.0	0.6	10.4	47.2	37.3	4.5	0.0	0.0	0.0	0.0	0.0	0.5
	18 - 19	0.0	0.0	0.0	1.0	12.7	48.4	33.6	4.4	0.0	0.0	0.0	0.0	0.0	1.0
	19 - 20	0.0	0.0	0.0	1.1	14.1	47.9	33.0	3.9	0.0	0.0	0.0	0.0	0.0	1.6
	20 - 21	0.0	0.0	0.0	1.1	16.1	49.2	30.2	3.4	0.0	0.0	0.0	0.0	0.0	0.6
	21 - 22	0.0	0.0	0.0	1.5	17.8	47.2	30.4	3.2	0.0	0.0	0.0	0.0	0.0	0.2
	22 - 23	0.0	0.0	0.0	2.6	18.9	44.8	29.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0
	23 - 00	0.0	0.0	0.0	3.6	19.9	43.8	28.8	3.9	0.0	0.0	0.0	0.0	0.0	0.5

4.2. Maximum Temperature

4.2.1. Maximum Temperature per Month

Maximum temperatures in ° C in specified time periods of 3 hours each month. Light grey shading denotes absolute maximum values for the respective period (day or year).

Example (dark shading): In the 10 years period in August the maximum temperature reported between 15 and 18 UTC was 35 degrees Celsius.

	Maximum Temperature (° C) 10 Years										
Time (Month)	Time Period (UTC)	00 - 03	03 - 06	06 - 09	09 - 12	12 - 15	15 - 18	18 - 21	21 - 00	Day	NA
	January	11	13	10	13	15	14	12	11	15	13.4
	February	14	14	13	15	16	16	13	14	16	22.2
	March	15	13	16	21	22	22	19	18	22	2.8
	April	18	16	19	23	25	25	21	18	25	3.2
	May	20	19	25	27	30	30	28	21	30	2.5
	June	26	23	27	32	34	34	30	28	34	2.6
	July	25	24	29	33	34	34	31	27	34	2.7
	August	24	29	28	32	34	35	32	26	35	2.7
	September	22	21	24	28	29	29	25	24	29	2.6
	October	18	18	21	24	25	24	21	20	25	2.6
	November	17	16	16	17	19	18	16	17	19	3.2
	December	14	13	13	14	15	14	14	14	15	2.6
	Year	26	29	29	33	34	35	32	28	35	5.2

4.2.2. Maximum Temperature in 10 Years

On the 11th of August 1998 at 1620 UTC a temperature of 35° C was reported.

4.3. Average Maximum Temperature

Average maximum temperatures in ° C in specified time periods of 3 hours each month.

Example (dark shading): In the 10 years period in July the average maximum temperature reported between 12 and 15 UTC was 30.9 degrees Celsius.

	Average Maximum Temperature (° C) 10 Years									
Time (Months)	Time Period (UTC)	00 - 03	03 - 06	06 - 09	09 - 12	12 - 15	15 - 18	18 - 21	21 - 00	NA
	January	6.6	6.6	6.7	9.2	10.8	9.9	8.2	7.3	13.4
	February	7.7	7.3	8.0	11.1	12.4	11.9	9.5	8.4	22.2
	March	10.4	9.7	11.9	16.1	17.9	17.8	14.3	12.0	2.8
	April	11.4	10.1	14.2	18.1	20.1	20.1	16.7	13.1	3.2
	May	15.5	15.0	20.0	23.6	25.5	25.6	22.7	17.8	2.5
	June	19.3	19.2	24.5	27.7	29.4	29.5	27.0	21.8	2.6
	July	20.9	20.3	25.5	29.1	30.9	30.6	28.2	23.3	2.7
	August	20.0	19.2	24.6	28.5	30.7	30.7	26.9	22.4	2.7
	September	16.9	16.4	19.5	23.2	25.1	24.7	20.6	18.3	2.6
	October	14.5	13.8	15.7	19.2	20.4	19.5	16.4	15.0	2.6
	November	9.9	9.5	9.9	12.1	12.7	11.9	10.5	9.9	3.2
	December	8.9	8.6	8.9	10.7	11.3	10.2	9.4	9.3	2.6

4.4. Minimum Temperature

4.4.1. Minimum Temperature per Month

Minimum temperatures in ° C in specified time periods of 3 hours each month. Light grey shading denotes absolute minimum values for the respective period (day or year).

Example (dark shading): In the 10 years period in January the minimum temperature reported between 21 and 00 UTC was -11 degrees Celsius.

	Minimum Temperature (° C) 10 Years										
Time (Month)	**Time Period (UTC)**	**00 - 03**	**03 - 06**	**06 - 09**	**09 - 12**	**12 - 15**	**15 - 18**	**18 - 21**	**21 - 00**	**Day**	**NA**
	January	-10	-10	-9	-7	-6	-8	-10	-11	-11	13.4
	February	-8	-7	-8	-5	-3	-4	-5	-7	-8	22.2
	March	-5	-6	-6	-1	0	0	-2	-3	-6	2.8
	April	-2	-2	-1	1	0	0	0	-1	-2	3.2
	May	0	0	3	3	3	3	3	2	0	2.5
	June	3	3	7	7	8	9	8	5	3	2.6
	July	6	6	10	11	11	12	9	8	6	2.7
	August	7	6	8	13	12	12	11	8	6	2.7
	September	2	1	1	8	8	7	6	3	1	2.6
	October	-4	-5	-5	1	3	0	-1	-3	-5	2.6
	November	-7	-7	-6	-3	-2	-3	-6	-7	-7	3.2
	December	-9	-9	-9	-7	-6	-7	-8	-9	-9	2.6
	Year	-10	-10	-9	-7	-6	-8	-10	-11	-11	5.2

4.4.2. Minimum Temperature in 10 Years

On the 5th of January 1995 at 2120 UTC a temperature of -11° C was reported.

4.5. Average Minimum Temperature

Average minimum temperatures in ° C in specified time periods of 3 hours each month.

Example (dark shading): In the 10 years period in January the average minimum temperature reported between 00 and 03 UTC was -5.6 degrees Celsius.

	Average Minimum Temperature (° C) 10 Years									
Time (Months)	**Time Period (UTC)**	**00 - 03**	**03 - 06**	**06 - 09**	**09 - 12**	**12 - 15**	**15 - 18**	**18 - 21**	**21 - 00**	**NA**
	January	-5.6	-5.4	-5.1	-3.2	-2.0	-2.7	-4.0	-5.2	13.4
	February	-3.8	-4.2	-4.2	-1.2	0.4	-0.3	-1.6	-3.0	22.2
	March	-1.9	-2.7	-2.2	2.5	3.9	3.4	1.5	-0.5	2.8
	April	0.8	0.3	2.5	4.9	5.6	5.2	3.7	2.4	3.2
	May	5.7	5.3	8.1	9.8	11.2	10.8	9.0	7.2	2.5
	June	7.5	6.7	11.0	13.4	14.2	13.8	11.7	9.4	2.6
	July	10.2	9.8	12.8	15.3	16.2	15.9	13.6	11.7	2.7
	August	11.0	10.3	12.9	16.0	16.8	16.5	14.3	12.2	2.7
	September	6.1	5.4	6.9	11.2	12.2	11.2	8.9	7.3	2.6
	October	3.4	2.9	3.3	7.5	8.4	6.8	5.3	4.1	2.6
	November	-2.2	-2.3	-2.2	0.8	2.4	0.9	-0.4	-1.6	3.2
	December	-4.5	-4.8	-4.5	-2.7	-1.1	-2.0	-2.8	-4.1	2.6

5. PRESSURE

5.1. Average Pressure (QNH)

Average pressure in hPa in specified time periods of 3 hours each month. Light grey shading denotes average pressure values for the times indicated during the whole day or year, respectively.

Example (dark shading): In the 10 years period in January the average pressure reported between 09 and 12 UTC was 1020.9 hPa.

	Average QNH 10 Years										
Time (Month)	Time Period (UTC)	00 - 03	03 - 06	06 - 09	09 - 12	12 - 15	15 - 18	18 - 21	21 - 00	Day	NA
	January	1020.2	1020.0	1020.5	1020.9	1019.9	1020.0	1020.6	1020.8	1020.4	13.4
	February	1019.5	1019.1	1019.6	1019.7	1018.7	1018.5	1019.2	1019.3	1019.2	22.3
	March	1018.3	1018.2	1018.8	1018.8	1017.7	1017.3	1018.2	1018.5	1018.2	2.9
	April	1013.7	1013.5	1014.1	1013.8	1012.9	1012.5	1013.5	1013.9	1013.5	3.2
	May	1015.3	1015.4	1015.9	1015.5	1014.6	1014.2	1014.9	1015.7	1015.2	2.5
	June	1018.1	1018.2	1018.6	1018.2	1017.4	1016.9	1017.6	1018.2	1017.9	2.7
	July	1017.5	1017.6	1017.9	1017.5	1016.8	1016.3	1017.0	1017.7	1017.3	2.8
	August	1017.7	1017.7	1018.2	1017.9	1016.9	1016.5	1017.3	1017.9	1017.5	2.7
	September	1016.2	1016.0	1016.6	1016.4	1015.5	1015.2	1016.1	1016.4	1016.1	2.6
	October	1018.2	1018.0	1018.6	1018.5	1017.5	1017.4	1018.3	1018.6	1018.1	2.6
	November	1016.9	1016.7	1017.2	1017.3	1016.3	1016.4	1017.0	1017.2	1016.9	3.2
	December	1017.4	1017.2	1017.6	1017.8	1016.9	1017.0	1017.5	1017.5	1017.4	2.7
	Year	1017.4	1017.2	1017.7	1017.6	1016.7	1016.5	1017.2	1017.6	1017.2	5.2

5.2. Minimum Pressure (QNH)

5.2.1. Minimum QNH per Month

Minimum pressure in hPa in specified time periods of 3 hours each month. Light grey shading denotes minimum pressure values for the time indicated during the whole day or year, respectively.

Example (dark shading): In the 10 years period in December the minimum pressure reported between 00 and 03 UTC was 977 hPa.

	Minimum QNH 10 Years										
Time (Month)	Time Period (UTC)	00 - 03	03 - 06	06 - 09	09 - 12	12 - 15	15 - 18	18 - 21	21 - 00	Day	NA
	January	989	990	989	988	987	987	987	988	987	13.4
	February	991	993	993	993	991	991	990	990	990	22.3
	March	987	986	987	991	992	990	989	987	986	2.9
	April	990	990	990	991	990	990	990	993	990	3.2
	May	995	993	995	994	993	992	993	994	992	2.5
	June	997	997	998	1000	999	999	999	1000	997	2.7
	July	1003	1002	1002	1003	1003	1003	1002	1003	1002	2.8
	August	1003	1005	1005	1005	1004	1005	1005	1004	1003	2.7
	September	995	996	998	999	999	997	996	996	995	2.6
	October	993	992	992	992	993	994	995	997	992	2.6
	November	987	988	989	989	987	986	987	987	986	3.2
	December	977	984	991	991	991	991	982	978	977	2.7
	Year	977	984	987	988	987	986	982	978	977	5.2

5.2.2. Minimum QNH in 10 Years

On the 28th of December 1999 at 0020 UTC a minimum pressure of 977 hPa was reported. This extreme value was caused by the gale Martin.

5.3. Maximum Pressure (QNH)

5.3.1. Maximum QNH per Month

Maximum pressure in hPa in specified time periods of 3 hours each month. Light grey shading denotes maximum pressure values for the time indicated during the whole day or year, respectively.

Example (dark shading): In the 10 years period in February the maximum pressure reported between 06 and 09 UTC was 1040 hPa.

	Maximum QNH 10 Years										
Time (Month)	**Time Period (UTC)**	**00 - 03**	**03 - 06**	**06 - 09**	**09 - 12**	**12 - 15**	**15 - 18**	**18 - 21**	**21 - 00**	**Day**	**NA**
	January	1038	1037	1038	1039	1038	1038	1038	1038	1039	13.4
	February	1038	1039	1040	1040	1039	1038	1038	1038	1040	22.3
	March	1035	1035	1036	1036	1035	1034	1036	1036	1036	2.9
	April	1032	1032	1033	1033	1033	1032	1033	1033	1033	3.2
	May	1028	1029	1029	1029	1026	1025	1027	1027	1029	2.5
	June	1028	1028	1029	1028	1027	1027	1028	1028	1029	2.7
	July	1026	1027	1027	1027	1026	1026	1027	1027	1027	2.8
	August	1026	1027	1027	1027	1026	1025	1026	1026	1027	2.7
	September	1029	1028	1029	1029	1028	1028	1028	1029	1029	2.6
	October	1032	1033	1034	1034	1032	1030	1031	1032	1034	2.6
	November	1035	1035	1036	1035	1035	1035	1036	1036	1036	3.2
	December	1035	1035	1036	1036	1035	1036	1036	1036	1036	2.7
	Year	1038	1039	1040	1040	1039	1038	1038	1038	1040	5.2

5.3.2. Maximum QNH in 10 Years

On the 11th of February 2001 at 0820 UTC a maximum pressure of 1040 hPa was reported.

6. WEATHER PHENOMENA

6.1. Freezing Rain

Cases of freezing rain in specified time periods of 3 hours per month. The value of NA is calculated relative to the potentially possible observations and is given in percent. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomenon was observed

Example (dark shading): In the 10 years period in January between 06 and 09 UTC 1 observation reported freezing rain.

	Cases of Freezing Rain During 10 Years													
Time (UTC)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	NA %
00 - 03	0	0	0	0	0	0	0	0	0	0	0	0	0	19.6
03 - 06	0	0	0	0	0	0	0	0	0	0	0	0	0	3.1
06 - 09	1	0	0	0	0	0	0	0	0	0	0	0	1	3.0
09 - 12	0	0	0	0	0	0	0	0	0	0	1	0	1	2.9
12 - 15	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0
15 - 18	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9
18 - 21	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5
21 - 00	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2
Day	1	0	0	0	0	0	0	0	0	0	1	0	2	5.2

6.2. Freezing Drizzle

Cases of freezing drizzle in specified time periods of 3 hours per month. The value of NA is calculated relative to the potentially possible observations and is given in percent. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomenon was observed

Example (dark shading): In the 10 years period in January between 18 and 21 UTC 6 observations reported freezing drizzle.

	Cases of Freezing Drizzle During 10 Years													
Time (UTC)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	NA %
00 - 03	0	0	0	0	0	0	0	0	0	0	0	0	0	19.6
03 - 06	1	0	0	0	0	0	0	0	0	0	0	0	1	3.1
06 - 09	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0
09 - 12	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9
12 - 15	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0
15 - 18	2	0	0	0	0	0	0	0	0	0	0	0	2	2.9
18 - 21	6	0	0	0	0	0	0	0	0	0	0	0	6	3.5
21 - 00	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2
Day	9	0	0	0	0	0	0	0	0	0	0	0	9	5.2

6.3. Snowfall

Frequencies in percent of snowfall in specified time periods of 3 hours per month. The value of NA is calculated relative to the potentially possible observations and is given in percent. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomenon was observed

Example (dark shading): In the 10 years period in February between 06 and 09 UTC 4.5% of all observations reported snowfall.

	Frequencies of Snowfall During 10 Years													
Time (UTC)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	NA %
00 - 03	3.8	1.7	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	0.9	19.6
03 - 06	4.9	3.6	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.2	1.3	3.1
06 - 09	4.1	4.5	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	1.3	3.0
09 - 12	3.3	4.1	1.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	4.7	1.2	2.9
12 - 15	2.9	3.1	1.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.9	1.0	3.0
15 - 18	2.5	3.9	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.6	1.0	2.9
18 - 21	2.3	4.2	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.0	1.1	3.5
21 - 00	2.7	3.1	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	1.0	3.2
Day	3.3	3.6	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7	1.1	5.2

6.4. Hail

Cases of hail in specified time periods of 3 hours per month. The value of NA is calculated relative to the potentially possible observations and is given in percent. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomenon was observed.

Example (dark shading): In the 10 years period in January between 15 and 18 UTC 1 observation reported hail.

	Cases of Hail During 10 Years													
Time (UTC)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	NA %
00 - 03	0	0	0	0	0	0	0	0	0	0	0	0	0	19.6
03 - 06	0	0	0	0	0	0	0	0	0	0	0	0	0	3.1
06 - 09	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0
09 - 12	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9
12 - 15	0	0	0	0	1	0	0	0	0	0	0	1	2	3.0
15 - 18	1	0	0	0	0	0	2	0	0	0	0	0	3	2.9
18 - 21	0	0	1	0	0	0	0	0	0	0	0	0	1	3.5
21 - 00	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2
Day	1	0	1	0	1	0	2	0	0	0	0	1	6	5.2

6.5. Snow Pellets

Cases of snow pellets in specified time periods of 3 hours per month. The value of NA is calculated relative to the potentially possible observations and is given in percent. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomenon was observed.

Example (dark shading): In the 10 years period in April between 03 and 06 UTC 1 observation reported snow pellets.

	Cases of Snow Pellets During 10 Years													
Time (UTC)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	NA %
00 - 03	0	0	0	0	0	0	0	0	0	0	1	1	2	19.6
03 - 06	1	0	0	1	0	0	0	0	0	0	0	1	3	3.1
06 - 09	1	0	0	0	0	0	0	0	0	0	0	0	1	3.0
09 - 12	1	0	0	0	0	0	0	0	0	0	0	0	1	2.9
12 - 15	0	0	0	0	0	0	0	0	0	0	0	1	1	3.0
15 - 18	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9
18 - 21	0	0	0	0	0	0	0	0	0	0	0	0	0	3.5
21 - 00	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2
Day	3	0	0	1	0	0	0	0	0	0	1	3	8	5.2

6.6. Thunderstorm

Frequencies in percent of thunderstorm in specified time periods of 3 hours per month. The value of NA is calculated relative to the potentially possible observations and is given in percent. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomenon was observed

Example (dark shading): In the 10 years period in July between 15 and 18 UTC 4% of all observations reported thunderstorm.

	Frequencies of Thunderstorm During 10 Years													
Time (UTC)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	NA %
00 - 03	0.0	0.0	0.0	0.1	0.3	0.6	0.6	1.6	0.4	0.8	0.0	0.0	0.4	19.6
03 - 06	0.0	0.1	0.0	0.2	0.1	0.4	0.9	1.2	0.1	0.4	0.1	0.0	0.3	3.1
06 - 09	0.0	0.0	0.0	0.0	0.1	0.2	0.8	0.9	0.6	0.5	0.2	0.0	0.3	3.0
09 - 12	0.0	0.1	0.0	0.2	0.3	0.2	0.9	1.0	0.8	0.5	0.0	0.0	0.3	2.9
12 - 15	0.0	0.0	0.1	0.5	1.6	1.1	2.4	2.2	1.2	0.2	0.1	0.2	0.8	3.0
15 - 18	0.2	0.1	0.2	0.6	2.9	2.8	4.0	2.9	0.9	0.5	0.1	0.0	1.3	2.9
18 - 21	0.0	0.0	0.2	0.7	2.1	2.8	3.5	2.9	1.3	0.6	0.0	0.0	1.2	3.5
21 - 00	0.0	0.0	0.0	0.5	1.1	2.0	2.7	2.5	1.1	0.3	0.0	0.0	0.9	3.2
Day	0.0	0.0	0.0	0.4	1.1	1.3	2.0	1.9	0.8	0.5	0.1	0.0	0.7	5.2

6.7. Fog (Without Shallow and Vicinity Fog)

Frequencies in percent of fog in specified time periods of 3 hours per month. The value of NA is calculated relative to the potentially possible observations and is given in percent. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomenon was observed.

Example (dark shading): In the 10 years period in January between 03 and 06 UTC 12.3% of all observations reported fog.

	Frequencies of Fog During 10 Years														
Time (UTC)		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	NA %
	00 - 03	11.4	3.9	0.8	0.1	0.8	0.1	0.3	0.4	0.4	6.9	4.4	9.2	3.2	19.6
	03 - 06	12.3	4.3	1.5	0.3	1.2	0.6	0.3	0.6	2.7	11.1	5.7	9.7	4.1	3.1
	06 - 09	11.8	5.3	1.5	0.1	0.2	0.0	0.0	0.2	1.0	9.2	5.8	8.6	3.5	3.0
	09 - 12	6.3	2.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.5	4.2	1.4	2.9
	12 - 15	1.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.9	0.3	3.0
	15 - 18	2.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.0	0.6	2.9
	18 - 21	4.4	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.5	2.9	1.1	3.5
	21 - 00	8.9	2.0	0.1	0.1	0.5	0.0	0.0	0.1	0.0	3.7	4.1	6.1	2.1	3.2
	Day	7.3	2.5	0.6	0.1	0.3	0.1	0.1	0.2	0.5	4.0	3.6	5.4	2.0	5.2

6.8. Shallow and Vicinity Fog

Frequencies in percent of shallow **or** vicinity fog in specified time periods of 3 hours per month. The value of NA is calculated relative to the potentially possible observations and is given in percent. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomenon was observed.

Example (dark shading): In the 10 years period in October between 03 and 06 UTC 9.5% of all observations reported shallow or vicinity fog.

	Frequencies of Shallow and Vicinity Fog During 10 Years														
Time (UTC)		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	NA %
	00 - 03	3.4	1.4	1.1	1.2	1.0	1.4	0.0	0.6	2.3	8.9	4.2	3.5	2.4	19.6
	03 - 06	4.2	3.0	2.3	3.8	4.3	2.2	1.4	2.2	6.2	9.5	3.7	4.0	3.9	3.1
	06 - 09	6.1	3.9	1.6	0.2	0.0	0.1	0.0	0.3	1.4	3.8	4.6	4.7	2.2	3.0
	09 - 12	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.2	0.2	2.9
	12 - 15	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.1	3.0
	15 - 18	2.2	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.2	1.2	1.4	1.7	0.6	2.9
	18 - 21	3.2	1.6	0.1	0.2	0.5	0.8	0.2	0.1	1.0	5.2	2.4	2.9	1.5	3.5
	21 - 00	4.2	3.0	0.9	0.8	0.7	0.8	0.2	0.5	1.6	9.2	4.4	4.0	2.5	3.2
	Day	3.0	1.7	0.8	0.8	0.8	0.6	0.2	0.5	1.6	4.7	2.6	2.8	1.7	5.2

6.9. Freezing Fog

Frequencies in percent of freezing fog in specified time periods of 3 hours per month. The value of NA is calculated relative to the potentially possible observations and is given in percent. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomenon was observed

Example (dark shading): In the 10 years period in January between 03 and 06 UTC 3.9% of all observations reported freezing fog.

	Frequencies of Freezing Fog During 10 Years														
Time (UTC)		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	NA %
	00 - 03	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.3	19.7
	03 - 06	3.9	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	0.5	3.1
	06 - 09	4.7	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.7	0.6	3.0
	09 - 12	1.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	2.9
	12 - 15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
	15 - 18	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	2.9
	18 - 21	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.2	0.1	3.5
	21 - 00	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.2	0.2	3.2
	Day	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.6	0.2	5.2

6.10. Rain

Frequencies in percent of rain in specified time periods of 3 hours per month. The value of NA is calculated relative to the potentially possible observations and is given in percent. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomenon was observed

Example (dark shading): In the 10 years period in December between 18 and 21 UTC 15.8% of all observations reported rain.

	Frequencies of Rain During 10 Years													
Time (UTC)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	NA %
00 - 03	12.9	12.9	11.3	11.9	10.2	8.1	5.9	6.1	12.8	12.8	13.5	14.5	11.0	19.6
03 - 06	12.7	14.3	11.4	13.6	10.8	7.9	5.6	5.8	11.7	12.3	14.4	15.0	11.2	3.1
06 - 09	12.1	13.5	8.5	13.7	11.5	6.7	7.1	5.3	10.6	10.3	15.4	13.4	10.6	3.0
09 - 12	10.4	13.3	7.8	10.3	11.2	6.7	5.3	5.3	11.2	8.6	11.9	13.5	9.5	2.9
12 - 15	9.8	10.0	8.9	10.5	11.4	6.2	4.5	5.9	11.2	9.4	10.5	12.9	9.2	3.0
15 - 18	11.3	12.5	8.0	11.3	13.2	7.8	5.8	5.1	11.2	11.5	14.8	15.3	10.6	2.9
18 - 21	8.5	11.7	10.9	14.6	12.6	8.6	7.1	7.4	13.0	12.4	15.7	15.8	11.5	3.5
21 - 00	9.7	12.4	10.1	13.4	11.1	9.7	8.7	7.4	14.3	11.3	15.1	14.4	11.5	3.2
Day	10.9	12.6	9.6	12.4	11.5	7.7	6.3	6.0	12.0	11.0	13.9	14.3	10.6	5.2

6.11. Drizzle

Frequencies in percent of drizzle in specified time periods of 3 hours per month. The value of NA is calculated relative to the potentially possible observations and is given in percent. It indicates the reduction of the data base due to NA. Light grey shading denotes values where the phenomenon was observed

Example (dark shading): In the 10 years period in January between 06 and 09 UTC 1.8% of all observations reported drizzle.

	Frequencies of Drizzle During 10 Years													
Time (UTC)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	NA %
00 - 03	1.0	0.3	0.1	0.4	0.0	0.4	0.1	0.1	0.2	0.7	1.0	0.8	0.4	19.6
03 - 06	1.8	0.4	0.1	0.8	0.2	0.3	0.1	0.1	0.6	0.9	1.5	1.3	0.7	3.1
06 - 09	1.8	0.4	0.4	0.6	0.1	0.0	0.1	0.0	0.3	0.2	1.2	1.0	0.5	3.0
09 - 12	1.6	0.4	0.4	0.1	0.1	0.0	0.0	0.1	0.2	0.0	0.8	0.8	0.3	2.9
12 - 15	0.7	0.8	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.7	1.2	0.4	3.0
15 - 18	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	1.7	0.3	2.9
18 - 21	0.5	0.4	0.1	0.1	0.5	0.0	0.1	0.0	0.3	0.1	1.1	0.9	0.4	3.5
21 - 00	1.5	0.3	0.4	0.3	0.4	0.2	0.3	0.5	0.5	0.5	1.5	1.3	0.6	3.2
Day	1.2	0.4	0.2	0.3	0.2	0.1	0.1	0.1	0.3	0.4	1.0	1.1	0.4	5.2

Abbreviations

Aeronautical Abbreviations

METAR	Aviation Routine Weather Report
ICAO	International Civil Aviation Organisation
RWY	Runway
GRD	Ground
msl	Mean sea level
UTC	Coordinated Universal Time

Meteorological Abbreviations

RVR	Runway Visual Range
QNH	Reduced pressure to sea level according to ISA (International Standard Atmosphere)
CB	Cumulonimbus
Cloud amount: FEW	Few (1–2 Octas)
SCT	Scattered (3-4 Octas)
BKN	Broken (5-7 Octas)
OVC	Overcast (8 Octas)

Airports

LSZH	Zurich Airport
LSGG	Geneva Airport
LSZB	Bern Airport
LSZA	Lugano Airport
LSZR	Altenrhein Airport
LSZG	Grenchen Airport
LSGS	Sion Airport
LSGC	Les Eplatures Airport
LFSB	Basel Airport

Units of Measurement

ft	Feet
m	Metre
km	Kilometre
NM	Nautical mile
kt	Knot (nautical mile / hour)
° C	Degrees Celsius
hPa	Hectopascal
hr	Hour

Months

Jan	January
Feb	February
Mar	March
Apr	April
May	May
Jun	June
Jul	July
Aug	August
Sep	September
Oct	October
Nov	November
Dec	December

Other

NA	Not available

Arbeitsbericht

MeteoSchweiz

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