

Guernsey Met Office



2012 Annual Weather Report

**INCLUDING DATA FROM
LIHOU ISLAND ALDERNEY SARK**

Guernsey Airport Meteorological Office – Annual Report 2012

The 2012 Guernsey Annual Weather Report is produced by

The Guernsey Meteorological Office

In association with

The States of Guernsey Environment Department

Front cover photo:

15th October 2012 – Small cumulus clouds drift across the Vale parish and the Little Russell. The photo was taken from around 1,000 feet looking south-south-east from Chouet in the foreground to St Martin's Point in the distance. The sun-dappling effect of the cumulus can clearly be seen – especially on the sea surface. Days like this can make recording sunshine totals a difficult task as the recording instrument can pass from strong sunshine to shade and back to sunshine in a matter of seconds.

There are a number of ways to measure the total number of sunshine hours each day – each involving different types of instrumentation each of which has its own bias and way of interpreting the conditions. For example, the sun may be covered by high cloud but still visible enough to cast weak shadows. Some types of instrumentation will record these conditions as sunny, others will not.

Guernsey Met Office chooses to use the same type of recording instrument and the same methods of calculation that were used when the island's sunshine records were started in the 19th century. In this way, we are confident that no false trend has been introduced into the data due to changes in instrumentation or procedures.

Photo credit: Martin Crozier

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2012 – Senior Met Officer’s Report on Guernsey Weather & Climate Change

If 2012 is remembered for anything, it will surely be the rain. At the beginning of the year, the talking point was about the lack of rain but by the end of the year it was about the lack of anything else. Despite the wet summer, 2011 had been a year of well below average rainfall and water companies in England and the Channel Islands were hoping for a wet winter to re-fill the reservoirs. Guernsey was relatively well placed following years of investment in water storage but even very early in 2012, some UK local authorities were beginning to impose hosepipe bans. January then gave us around half the expected rainfall total, February even less and March’s total was less than a third of the average.



A day of strong winds and blustery showers briefly produces a double rainbow at Guernsey Airport on 26th November 2012. The photo also shows Guernsey Met Office’s anemometer mast at the eastern end of the runway. A similar mast exists near to the western end. Photo credit: Ashley Nicholas.

As winter ended and concern over the “drought” increased, the heavens opened. From April onwards, every month of the year would have above average rainfall, sometimes, as in April and June, more than twice the average. Recent poor summers have often been followed by warm settled spells in autumn, but in 2012 the unsettled weather was

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relentless until the year slithered to a halt amidst a mounting backlog of postponed sporting fixtures and building contractors struggling to meet deadlines. By the end of December, the year that had started so benignly had achieved the triple distinction of being colder, wetter and duller than normal.

Global temperatures have flat lined for the past 10 to 15 years (depending on which dataset is used) and 2012 was not a year that changed this trend. In the Pacific, a weak El Niño warmed the central part of the ocean for most of the year, but was not strong enough to bring about the extreme and damaging weather phenomena for which it is often blamed. Elsewhere, the number of severe weather events affecting different parts of the world was about the same as normal with the USA receiving more than its fair share – notably in the form of severe summer drought and then October's ex-hurricane Sandy which badly damaged portions of the east coast in October.



A light rain shower passes to the south of Alderney on 15th October. The ragged, disorganised nature of the cumulus cloud together with some wind shear which is trying to “pull off” the top of the cloud ensures that this shower is not going to bother anyone too much. Cloud in the distance is visible behind the fallstreaks of the rain, indicating that the shower is too small and light to reduce visibility notably. Photo credit: Martin Crozier.

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Sea ice, however, hit the news with records tumbling in September as floating sea ice around the North Pole melted back to its lowest recorded area since records began. At almost the same time, floating sea ice around the Antarctic continent had expanded to its greatest known extent by the end of the Antarctic winter. A word of warning here – the ice data is extracted from satellite imagery which was not available before 1979 so broken records in these figures are less significant than new records created in a climate dataset that is a couple of centuries in length.

2012 was the first full year of operation for our new wind mast at Chouet and now that sufficient analysis of the data has taken place, some useful information is coming to light as to how Guernsey’s winds along its exposed coasts differ from the wind as experienced in more inland locations such as the Airport. Most people who spend time walking the cliffs or the island’s beaches would probably agree that it seems more breezy on the coast than inland, but a few might consider the fact that the anemometers at Guernsey Airport are over 300 feet higher than the one at Chouet and argue that winds often get stronger with increasing altitude.

So how does the wind vary between the two locations? We’ll take a look at some data from Chouet and the Airport that has been averaged across the whole of 2012 to illustrate the difference. Regular readers of this report will be familiar with the “wind roses” that we display in the appendix each year. The one below shows the direction, frequency and strength of the winds at the Airport during 2012. It is interpreted as follows: if you consider winds from 250° (or West-South-West), then for about 1.5% of the year we had

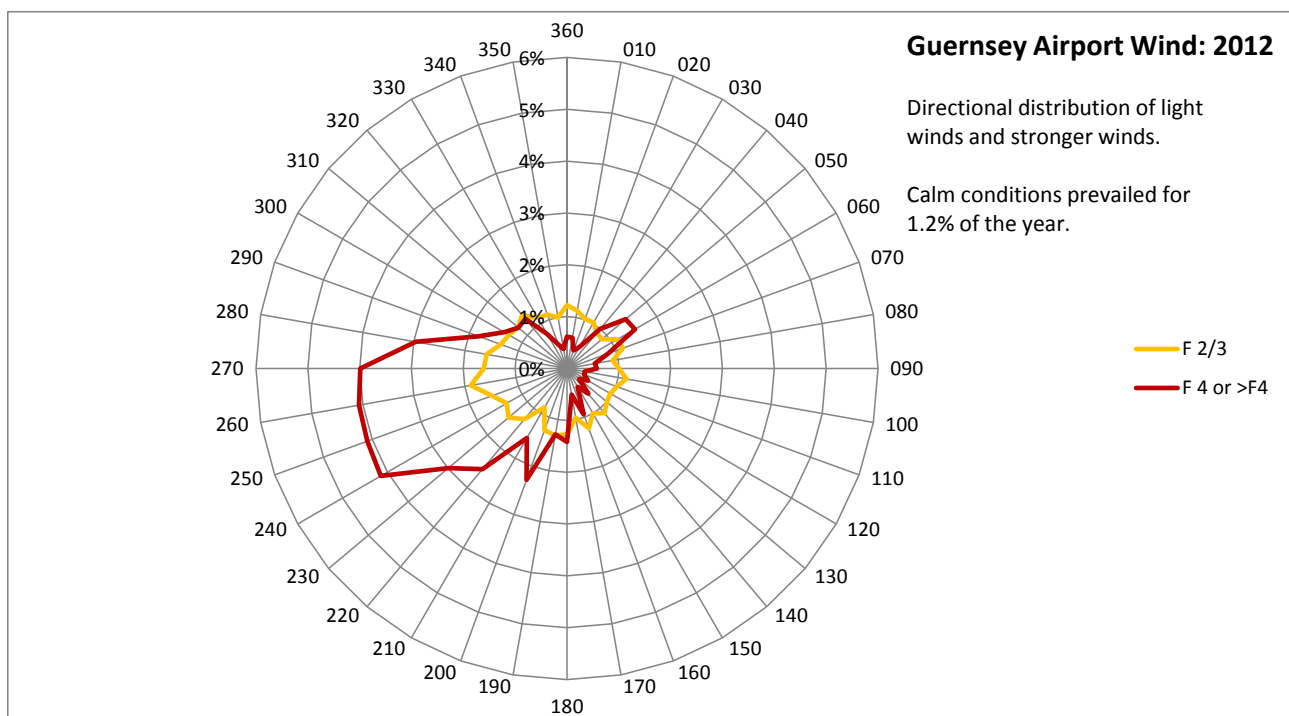


Figure 1

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winds from this direction that were light (i.e. Force 2 or 3) and for just over 4% of the year we had winds from this direction which were moderate (Force 4) or stronger. Thus, in this diagram, the “skew” away from the centre shows the prevailing wind direction, whilst the area inside the yellow line represents the proportion of the year that we had light winds and the area inside the red line represents the proportion of the year when we had moderate winds or stronger. Yes – it was a year when breezy conditions predominated!

Now let’s have a look at the Chouet data in the same way:

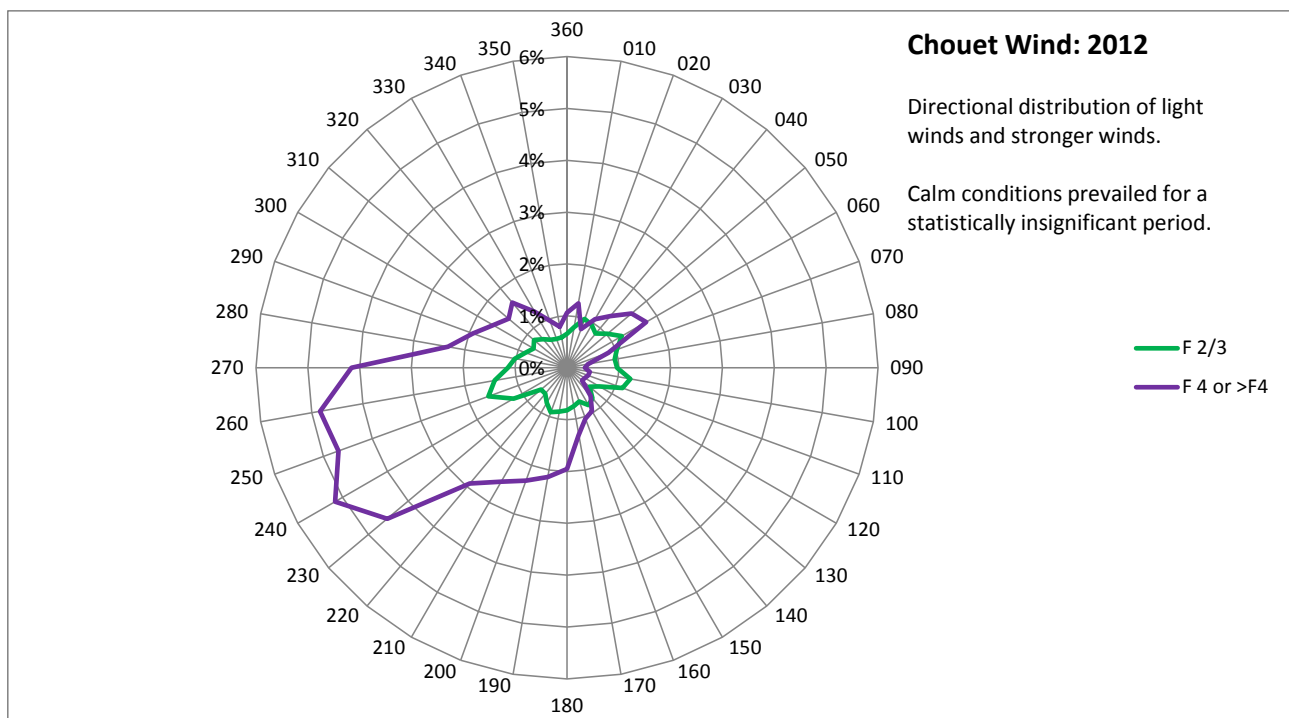


Figure 2

Whilst we can see that the wind directions at Chouet and the Airport are very similar, the area inside the green line in figure 2 is smaller than the area inside the yellow line in figure 1. Conversely, the moderate (or stronger) winds at Chouet represented by the purple line in figure 2 enclose a greater area than the red line showing winds of corresponding strength at the airport. So we can conclude that, on average throughout 2012, mean wind speeds were higher at Chouet than at the airport, despite the difference in height above sea level at the two locations.

But this is not the end of the story, so let’s dive back into the data to see if we can extract any other differences between the winds at Chouet and the winds at the Airport. The nature of the locations is very different. The Airport is well inland from the coast and although the anemometer is surrounded by a wide area of flat grassland, runway and concrete apron and is not directly sheltered by any one object, the airfield itself is surrounded by buildings, trees and undulating low hills and shallow valleys. Chouet, by contrast, is surrounded on most sides by the sea with only grassland and a very few trees lying between south and east of the anemometer.

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As the wind crosses the sea (as it does on average) before reaching the Chouet anemometer, it crosses a surface which exerts very little frictional drag and there is therefore very little to slow the wind before it reaches the mast. On the airport site, however, the wind may have already crossed several miles of varied landscape including trees, buildings, hedges and other obstructions. The frictional drag is therefore greater and the average strength of the wind is lower. The frictional drag also creates turbulence, however, which we feel as gusts of wind. The turbulence can also be enhanced if the sun is heating the ground strongly. In this case the warm air next to the ground rises and the lowest level of the atmosphere begins to mix rather than flowing in a more layered fashion with winds increasing with height. The effect of this allows some of the higher wind speeds aloft to briefly transfer towards the surface – increasing the turbulence and gusting at the surface further.

So, putting all this together, we would expect to find the wind gusting more at the Airport than at Chouet. And – to complicate the picture – we would expect this effect to peak when the sun is high as the sun is far more effective at heating up the surface of the island than the surface of the sea. So let's break down the data to look at average wind speeds and average gust speeds at the Airport and at Chouet and also see if there is any variation that depends on the time of day.



Figure 3

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And there we finally have the answers which can be summed up as follows:

- On average, in 2012, the mean wind was stronger at Chouet than at the Airport.
- The Chouet wind barely varies, on average, with respect to the time of day but the wind at the Airport drops noticeably at night.
- The wind at Chouet is much less gusty than the wind at the airport – the average gust is no more than 2 knots above the average wind speed. But at the Airport it tends to be 4 or 5 knots higher than the average wind speed.
- The average speed of the gusts at Chouet is generally higher than the gusts at the airport, but the airport gusting is stronger for a period in the afternoon when solar heating generally reaches a maximum.

My thanks, as usual, go to the small but dedicated band of weather professionals and enthusiasts without which Guernsey Met Office could not operate. In particular, the Airport Met Observers who work 24/7 including Christmas Day but also our volunteers such as Roy Cook in Sark and Brian Bonnard in Alderney who ensure that we have “weather coverage” for the whole Bailiwick. Also thanks to those who sent in their weather pictures – sadly time, space and the already lengthy download time of this report means they cannot all be included every year.

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METEOROLOGICAL OFFICE GUERNSEY AIRPORT

COMMENT ON THE WEATHER OF 2012

This year will be remembered most for rain. The yearly total was the highest for 12 years, but more notably was the total of rainfall from April onwards. Over these nine months there were 951.3mm of rain, or more than 110% of the average annual rainfall. The only year recording more than this for these nine months was 1960, when 1041.7mm were measured. Inevitably the ground became sodden which resulted flooding at times of heavy rain. The annual only fell short of a record figure due to the dry start to the year; in the first three months only 98.1mm of rain were recorded.

Most months this year saw temperatures below average, although there were no very large departures from the norm. Both January and March were slightly more than 1°C warmer than the average, while July was 1°C lower than average. For the year the mean temperature was just below the average, but this only made this the coolest for two years.

With all the rain it can come as no surprise that this was the dullest year since 2000, with no month after May being sunnier than usual. June and October were particularly dull with about two-thirds of the average sunshine. This was a less windy year than average, with only four months being windier than normal. Two of these were the summer months of June and July, which emphasised the poor nature of the summer this year, which statistically was the worst since 1986.

January turned out to be a dry month, following a wet start, with the lowest rainfall since 2006. Mild weather dominated to give the highest mean temperature since 2008, while sunshine was the highest for three years. Winds speeds were close to normal, although it was windy at the start of the month and at the end of the third week. The first half of February was cold, while the second half was mild and often foggy. Overall temperatures were below average. Due to the second highest mean pressure on record, 1031.5mb, rainfall was the lowest since 2004. Sunshine was lacking this month, although we had more than in 2011, while this was the third February in succession with below average sunshine.

The winter was mildest since 2008, with only a couple of cold periods. The longest of these lasted from January 27th to February 12th. Rainfall was very close to normal, with a very wet December being balanced by the dry January and February. With only January having more sunshine than normal, this was a dull winter, although not as dull as the previous winter.

March held the promise of a good spring with the mean maximum temperature the highest since 1957. Sunshine was the highest for three years and the third highest on record. Rainfall was below average for the fourth year in succession and the lowest since 1990. Winds were light for the most part, except at times during the first week. This good weather was brought about by a third month of high pressure. Everything changed in April with low pressure becoming dominant, resulting in the second wettest April on record. The vast majority of this fell after the 15th, with a soaking 108.7mm of rain falling in the second half of the month. Surprisingly sunshine was well above average, despite being the lowest for three years. There was very limited warmth with the highest temperature recorded being a low 14.5°C. This was much windier than any April in recent years with the highest mean wind speed since 1994.

May was an improvement on April, but the first 20 days were cool, dull and rather wet. The sunny and warmer conditions that followed meant that both sunshine and mean temperature was close to the average. Rainfall was above average, while in the last 11 days there was recordable rain on just one day and all of that rain fell overnight. Thanks to the warm weather in March the mean temperature for the spring was above average. There was almost 100hrs more sunshine than normal for the spring, to make this the sixth spring with above average sunshine.

June was a very poor summer month, being the coolest since 1991, the second wettest on record and the fifth dullest. It was also a rather windy month with near gale force winds for a time on the longest day. Conditions were more reminiscent of the winter solstice than the summer one. For much of July there was little improvement on this, with the highest temperature in the first three weeks of just 18.1°C, which is almost 1.5°C lower than the mean maximum temperature. Rainfall was above average, although only 6mm fell after the 13th. Sunshine was the lowest since 1998.

August was almost a normal summer month, with a mean temperature 0.2°C above average, rainfall 5mm more than usual and sunshine the highest for five years. This was the warmest August since 2006 and the driest for three years. Sunshine, while being the highest since 2007, was below average. These figures tend to indicate how poor August weather has been over the last few years, rather than show this to have been a good one.

The first three weeks of September hinted that we might have a dry month, with at least average sunshine. This changed over a very wet and windy five days. During the first three weeks there had been just 6.2mm of rain and it had been quiet with a mean wind speed of 8.2kn. The next five days gave 73.7mm of rain and a mean wind speed of 14.4kn, including a gale on the 24th. Exceptionally dull and very wet can sum-up the weather for October. The sunshine total was the second lowest on record, while 11 sunless days was a rather unwelcome new record. Rainfall was the highest since 2004, while the mean temperature was only slightly below normal.

November was another wet month, although it was not as wet as October. Sunshine was slightly more than that for October, making just short of the average. Temperature were also a little below average. For much of the time this was quiet month, but the wind picked up on the 19th with windy 10 days following. This autumn was in marked contrast to autumn 2011.

Instead of being warm and dry with average sunshine, it was dull, cold and wet. The mean temperature was the lowest since 2008, while rainfall was the highest since 2000. Sunshine was the lowest since 1992.

December was a very wet, rather dull and mild month, although it was not as wet, dull or mild as December 2011. Much of the month was rather windy, although again it was not as windy as in 2011 and there was a gale on only one day. Fog was much more in evidence than is usual for December, with the fog mainly associated with the mildest weather.

January

A cold front lay close to the Islands throughout the 1st, leading to a wet day with heavy rain for several hours from late morning. There was also hill fog for a number of hours causing some disruption to flights. This was a mild day, following on from a very mild night with the temperature staying above 11°C. Once the cold front had cleared away we were covered by a showery westerly airflow, which allowed for sunny periods. The next weather system was soon on its way in to bring more cloud.

A deepening depression headed towards Scotland early on the 3rd, with gales affecting most of western Britain. We had gales for a while around the middle of the day, with rain or drizzle at times, but also a little sunshine in the afternoon. This depression continued to move quickly into Scandinavia, only for the next one to follow in rapidly on its heels. This next low moved from the west to pass close to northern Scotland. At this stage pressure was building from the south-west, reducing the intensity of any fronts that reached the area. A cold front passed through at around dawn on the 6th, giving a little rain and drizzle. Winds remained strong, blowing at gale force for a number of hours during the first half of the day.

A ridge of high pressure then extended northwards towards Ireland, pulling the wind around to the north-west. Following morning sunshine the cloud increased as a warm front pushed in from the west. This brought drizzle that evening and overnight. For the next four days the pressure was high, but fronts were never very far away, ensuring that it was mainly cloudy. It was mild, though, with little rainfall. By the 11th an anticyclone was centred close to the Islands, allowing very light winds and helping to disperse the cloud, which led to a pleasantly sunny and mild day.

The anticyclone then drew back into Biscay, allowing fronts to cross the area from the north. These fronts brought just a little drizzle, but marked the start of a change in the weather. Once they had passed pressure built northwards across the British Isles, bringing the wind around to the north-east. Skies cleared during the afternoon of the 13th to allow a sunny end to the day. For the following three days an anticyclone was centred over, or just to the east, of the United Kingdom and low from Spain to south-west Ireland. This pattern produced clear skies, but with winds blowing off France it became cold. The lowest temperature of the month, with a ground frost, although we just missed an air frost.

By the 17th pressure was falling over the British Isles, while staying high over Biscay and France. This change caused the wind to veer to the south-west and allow fronts to cross Britain. From the 18th to 22nd pressure was high to the south and south-west of Britain and low to the north, with a strong westerly flow in between. A number of frontal systems crossed Britain over these five days, bringing heavy rain to western parts of the United Kingdom. The close proximity of high pressure meant only small amounts of rain for us. For much of this period, though, it was dull and damp, with hill fog at times. Temperatures were well above normal, but cloudy conditions meant that there was little variation between day and night values.

The passage of a weak cold front late on the 22nd was followed by fair conditions, with sunny periods for the 23rd. More fronts came in later to bring a return to cloudy and damp weather for the 24th and 25th. A cold front swept through during the early hours of the 26th, followed by clearer showery conditions. There were good sunny periods on the 26th, but also a number of showers with hail at times. The weather was similar on the 27th, but by now the pressure pattern was beginning to change again. A ridge of high pressure pushed north-east across the British Isles, pulling the wind around to the north and consequently colder air.

By the 29th most of Britain was covered by a ridge of high pressure extending from an intense anticyclone of 1060mb, centred over Finland. Despite high pressure a small depression and its fronts pushed in from the north-west that evening. This brought rain overnight, with cold air coming in from the east as the small low moved away to the south-east. The last two days of the month were cold and mainly cloudy, with some drizzle and rain still affecting us on the afternoon of the 30th.

February

A very intense anticyclone of 1063mb was centred over north-west Russia at the start of the month, with a cold easterly flow covering the British Isles. Winds here were fresh or strong and gusting to gale force, accentuating the cold despite us having a reasonable amount of sunshine. The weather was similar on the 2nd, with the wind not dying down until late in the day. By the 3rd an extension of the Russian high was centred over the United Kingdom, leading to lighter winds. We had a large amount of cloud for most of the day, though, which held the temperature down, resulting in a maximum at the Airport of just 2.2°C.

On the 4th a weather system pushed in across Ireland with a developing depression moving south-east through Wales and southern England. This depression passed to the north of the Islands on the night of the 5th, bringing rain for much of the night. It did, though, introduce milder air for a while. Once this low had slipped away across western France the weather became colder again. By the morning of the 7th the easterly winds had returned which brought sunshine, but a drop in temperature. The wind then backed to the north-east and strengthened allowing cloud to spread down to us from the North Sea. This ensured that the 8th was a dull and cold day. By dawn on the 9th there was a small high cell over south-east England which then drifted south to pass close to the Bailiwick, resulting in light winds. It did, though, remain cold and cloudy.

On the night of the 9th a weak warm front edged towards us from the north-west, but it came up against the cold air flowing off the Continent, ensuring that it was soon pushed back to the west. The front did, however, get close enough to give some rain during the early hours of the 10th, with snow falling for about an hour before dying out. The continental flow meant that the 10th was a cold day again, with the temperature falling in the afternoon, dropping below freezing that evening as skies cleared. The temperature remained below freezing through the night, climbing back above freezing the next morning as the sun rose. The 11th was a mainly sunny day and with light winds that evening there was a slight frost again.

By the 12th, pressure had fallen over Scandinavia and northern Russia and risen over the Atlantic. This change cut off the supply of cold air from Europe, allowing less cold air to come in from the Atlantic. On the 12th cloud soon spread in from the north-west following a bright start, with light drizzle by midday. There were outbreaks of light rain or drizzle during the rest of the day, with heavy rain falling for a while early on the 13th, despite the pressure remaining above 1032mb. For the next three days there was a large high centred to the west of Ireland with north to north-west winds blowing across the British Isles. Despite the wind direction it became milder as the air had originated near to the Azores, before making a long journey to reach here. With the high not far away it was dry, but there were only a few hours of sunshine from the 13th to 15th.

By the 16th the high had drifted south with the flow over the Britain backing towards the west. This change allowed fronts to move south-east across the United Kingdom, with fronts getting close enough to give some rain or drizzle on the 17th. It was mainly cloudy again on the 18th with a fresh to strong breeze blowing and further rain and drizzle. A cold front cleared through on the evening of the 18th, followed a rise of pressure as a new anticyclone moved in from the west. We then managed three dry and mainly sunny days, although it became slightly cooler again, with a touch of ground frost on the morning of the 20th.

The fine weather continued until the early hours of the 22nd, when cloud, ahead of an approaching warm front, spread in from the west. Rain arrived that afternoon with rain, drizzle and mist that evening. The air behind the warm front was very moist, resulting in fog coming in late on. For the next three days fog was a serious problem, with few flights able to operate from the morning of the 23rd until the afternoon of the 25th. There was drizzle for much of the time as well, although it was mild. The highest temperature during this period was only 10.2°C on the 23rd, a couple of degrees above average, but low compared to the warm spring weather experienced through much of England on the same day.

A very weak cold front passed through during the early hours of the 26th, allowing the cloud to break at times to give sunny spells. The moist air was back with us again on the 27th, giving more fog and outbreaks of drizzle. The fog this time was not as persistent as before, so flying was possible. Slightly drier air came in for the 28th to clear away the fog and there were even a couple of hours of sunshine to help raise the temperature to 12°C, the highest for the month. To end the month we had clear skies for a change to give us a day of unbroken sunshine.

March

On the 1st an anticyclone covered the Channel, leading to light winds. The air, though, was moist resulting in patches of fog forming both overland and on the sea. There were, though, sunny periods to allow the temperature to climb above 10°C. The fog became thick overnight, but then dispersed overland during the day to give us more warm sunshine. Over these two days the anticyclone had been moving north-east and had reached southern Norway by the evening of the 2nd with a front swinging in towards western Brittany. This front gave only a little drizzle as it passed, followed by sunny periods.

A developing low then came in from the south-west, bringing rain by midnight. The rain continued until midday on the 4th, before the cloud broke as pressure rose from the west. With the pressure rising quickly it became windy with gusts to gale force. Within 24 hours a high was centred over Biscay with the old depression now slow moving over the southern North Sea. This gave us a cool and breezy day, but it was dry with sunny periods. The next day was also rather cool, but there was more sunshine and less wind.

A weakening Atlantic frontal system moved through on the 7th, bringing rain & drizzle around midday, before clearing away that afternoon. A new anticyclone then came in from the west to give sunshine for much of the 8th. The following day was dry, but a layer of cloud spread in early on to ensure no sunshine for us. The next morning was similarly cloudy, despite the highest pressure of the month and there was drizzle as well towards midday. The cloud then moved away to the north to allow sunshine for the afternoon.

High pressure continued to dominate the weather over the next four days, but warm moist air and light winds were ideal for the formation of sea fog, with sea temperatures near to their lowest for the year. Fog affected us at times on the 11th and it became thick that night. Skies then cleared before dawn on the 12th to help the temperature to fall to 2.5°C; the lowest for the month. At the Airport there were nine hours of sunshine, but the fog affected coasts at times keeping them duller and cooler. The next day was more generally dull and cool, but the fog did clear.

For the 14th drier air came in from France to give sunny periods again, but it became cloudy once more on the 15th after a fine start. A new set of fronts then came in from the Atlantic over the next couple of days, resulting in two cloudy days with rain at times on the 17th. Once the cold front had passed through skies began to clear with sunny periods for the 18th. Clear skies and light winds overnight allowed for slight ground frosts on the nights of the 17th, 18th & 19th. With the pressure rising strongly once more, the 19th was a mainly sunny day and there was sunshine at first on the 20th before a sheet of cloud moved in.

High pressure then dominated the weather for most of the rest of the month, which resulted in dry and mainly sunny conditions, with temperatures rising. On the 21st there were sunny periods, but a weak front moving up from the south meant that the 22nd was cloudy, with some rain in the evening. South-east winds, though, were pulling in warmer air so that despite the cloud we recorded the highest temperature for the month up to this date. The next day was mainly sunny and with the south-east wind still blowing it became warmer yet. Another day of south-east winds on the 24th helped the temperature to climb to a warm 18.6°C, the second highest reached during March. On the west coast there was a reading of 20.9°C, which is higher than anything previously measured in Guernsey for March.

The wind backed to the north-east on the 25th, cutting off the supply of the warmest air. The morning was, though, reasonably warm and sunny. Fog, however, which had formed towards the Straits of Dover, was blown across the Islands during the afternoon. This brought a marked drop in temperature, especially noticeable for Alderney, which managed just 10.9°C, compared to 14.3°C at Guernsey Airport and 16.4°C for sheltered parts of Guernsey's west coast.

The next five days were dry and warm with almost unbroken sunshine. The highest readings for these days were 3°C lower than that for the 24th, but still about 4°C higher than normal. Cooler air spread in for the end of the month, with some hill fog, resulting in the lowest temperature for more than 10 days.

April

The anticyclone, which gave the good weather in the last 10 days of March, had drifted west into the Atlantic by the start of April. This change brought a northerly flow to the British Isles, introducing much colder air. The 1st saw cloud in the morning, followed by a sunny afternoon, but it was colder than most of March with a high of just 9.0°C. The coldest night of the month followed, with a slight ground frost. The 2nd was, at least, a mainly sunny day with the temperature picking up. At this stage a low was forming off north-west Scotland. This then moved south-east and deepened, bringing a heavy fall of spring snow to parts of Scotland and northern England. We felt the effects late on the 3rd with cloud, but only slight rain, while the 4th was cold with long sunny periods.

The pressure rose on the 5th, however, a tightening pressure gradient brought fresh to strong north-east winds with a large amount of cloud. Good Friday was a much brighter day with less wind, but the day's maximum temperature of 8.3°C was the lowest of the month. A frontal system moved south over the British Isles on the 7th, bringing more cloud again, but only a little rain during the evening. For Easter Sunday a milder westerly flow covered the area with sunny periods in the afternoon helping to boost the temperature a little. Easter Monday was a poor day with fronts affecting us all day, keeping it cloudy with rain for most of the time from mid-morning onwards. To make matters worse this rain was accompanied by fresh to strong winds.

The fronts had cleared through by the next morning, leaving the British Isles under the influence of slow moving low pressure. From the 10th to the 14th no fronts crossed the Islands, allowing us long periods of sunshine. This was in contrast to much of England and northern France, where heavy showers built up each day. Daytime temperatures were generally close to

normal, but it was rather chilly overnight. The pressure then rose as a transient high moved south into Ireland, but stronger north to north-east winds on its eastern flank meant a cool day for us, despite 10hrs of sunshine.

The pressure was at its highest early on the 16th with the wind falling light. This combined with clear skies to lead to an early ground frost. By now fronts were already pushing into Ireland, with the cloud ahead of these fronts showing up that evening. The fronts moved through quickly overnight, giving heavy rain for a while just before dawn on the 17th. A blustery westerly flow followed with sunny periods and a few passing showers. A deep depression then drifted slowly from south-west Ireland to central southern England by midday on the 18th. An area of heavy showers affected the Bailiwick for much of the night of the 17th/18th, with hail and thunder accompanying some showers. The winds were also strong with a gust to storm force 10. There were further showers through the day, but also spells of sunshine.

The depression then moved very slowly over England during the next four days, still being close to the coast of north-east England on the evening of the 22nd. This situation gave windy and showery weather, but the showers tended to be clustered together, allowing us long sunny periods in between. Temperatures were close to normal, but fell sharply as the showers passed through.

Once this old depression was out of the way, a new one came in to south-west England. Its fronts brought heavy rain for a while, followed by showers and sunny spells. This low then moved off into northern France leaving a mainly fair day for the Islands, with temperatures just a touch above average. There was, though, no let-up in the unsettled weather with yet another low rushing in to the mouth of the Channel. As with several of the previous lows it then slowed down in its progress, to affect the weather for a number of days. There was rain during the early part of the 25th, followed by showers and sunny spells. The wind remained strong through the day, with gusts to severe gale force.

While the low gave England cloudy weather on the 26th and 27th, with heavy showers, we had almost unbroken sunshine on the 26th and sunshine until mid-afternoon on the 27th. With the wind blowing from the south it also became somewhat warmer. The old front, which initially went through on the 25th, was still active over France for these two days. It then began to move back westwards and a sympathetic trough formed ahead of it late on the 27th. This brought several hours of unexpected heavy rain. The total rainfall recorded at Guernsey Airport in the 12hrs until 10am on the 28th was 25.5mm, which made this the second wettest April day on record.

There was further rain for much of the 28th and through the day a developing depression was moving north-west towards us, from southern France. This brought strengthening north-east winds to the area during the evening of the 28th. On the 29th the wind eased off for a while as the depression passed along the north Brittany coast. As the depression edged further into the mouth of the Channel the wind picked up again, this time blowing from the south or south-east. We just failed to record a full gale, but there were gusts to storm force, which caused structural damage to several properties on the Island. Conditions improved on the 30th, with sunny periods helping to raise the temperature to its highest for the month, although this was still a disappointing 14.5°C.

May

On the 1st pressure was low to the west of Biscay, with a slow moving front over southern England. We managed a mainly sunny day, helped by the pressure rising during the day. By the 2nd the low had drifted south with a ridge of high pressure over southern Britain. We had another mainly sunny day, although cloud increased later on as weak fronts came in from the north-east. The 3rd was cloudy through the morning, with a little rain, then sunny spells in the afternoon. The old low then extended its influence north-east, while fronts moved south over the British Isles. This set the scene for the start of some bad weather.

The 4th was rather cool, with rain in the afternoon. Overnight the fronts from further north crossed the area, introducing colder air. This had the effect of making the 5th one of our coldest May days on record. Through the daytime the temperature at the Airport stayed around 7°C, with the cold accentuated by a fresh north-east wind. Conditions improved a little the next day with some sunshine in the afternoon, but we still only made it to 10°C. The following couple of days were warmer, with the wind moving around to the south, but fronts were close, giving rain at times with fog patches on the 8th.

The southerly winds continued on Liberation Day, with a very moist airflow giving fog early on. The day was cloudy with light rain at times. That evening the rain became more persistent and heavier, continuing into the early hours of the 10th, accompanied by fog patches. There was further rain and drizzle through the day, to ensure our second successive sunless day. Once the low pressure had moved away on the 11th the pressure rose rapidly as an intensifying anticyclone moved in from the west. By midday on the 12th this anticyclone was centred to the south-west of Ireland with a central pressure of 1044mb, exceptionally high for this time of year. Our highest reading was 1039.8mb, a new record for May in at least 170 years. This change resulted in two sunny days, although it was still rather cool and the high did not stay around, pulling back into the Atlantic as fronts pushed south-east over the British Isles.

On the 14th the morning was sunny, but it soon became cloudy in the afternoon, with rain for a while as fronts passed through. These fronts had cleared by the evening, allowing the cloud to break. The winds, though, veered to the north-west and increased, leading to rather cool, but mainly sunny conditions for the 15th. The pressure rose again as a new anticyclone moved in from the west. This crossed the area on the 16th to give another sunny day, however, it soon moved off into the continent to allow more fronts to come in from the west.

There was rain for a while on the morning of the 17th, before it brightened up in the afternoon. Over the following three days, though, low pressure covered the area, leading to generally cloudy conditions with rain at times. By the 20th the main area of low pressure had transferred to France with northerly winds blowing across the Islands. The combination of northerly winds, rain and no sunshine, led to a very cool day with the temperature hovering around 10°C throughout. The pressure then rose over the British Isles pushing the cloud and rain away to the east. The cloud here broke up early in the afternoon of the 21st to allow a fine end to the day.

A continuing rise of pressure over Britain brought in some potentially very warm air. The 22nd and 23rd were mainly sunny, but north-west winds, blowing in off a still chilly sea, meant that the best we could do was temperatures rising to about normal. On both days we also had an area of fog pass through, around the middle of the day, for an hour or two. With the wind veering and decreasing the 24th was a much warmer day and this was followed by a rather warm night. The 25th was the warmest day of the month with a maximum of 20.5°C at the Airport. The strengthening north-east wind meant that sheltered western parts were notably warmer, with the temperature getting to around 23°C at Rocquaine. Conditions were similar the next day, however, with the pressure falling, a line of thundery showers moved north from Brittany late in the day. Distant rumbles of thunder were heard during the late evening, with rain and thunder towards midnight. After a cloudy start on the 27th the sun came out again, but it was noticeably cooler than the previous three days.

The 28th proved to be the sunniest day of the month and pleasantly warm with just a light breeze. There was almost no wind on the 29th and there were long spells of sunshine, although sea fog affecting coasts made them duller and cooler. High pressure hung on for the last two days of the month, while fronts were pushing north-east across Ireland into western Britain. Westerly winds fed in large amounts of cloud, though, with only a few hours of sunshine and the odd spot of rain on the 30th. By now temperatures were almost back to normal.

June

To begin with a small anticyclone was centred in the mouth of the Channel, leading to light winds, but with fog being a problem. There were several hours of sunshine on the afternoon of the 1st with temperatures a touch above average. The anticyclone then declined, becoming part of a ridge of high pressure extending south-east from a large high centred over Greenland. For the 2nd winds were blowing from the east or south-east pulling in warm air off France, resulting in the highest temperature of the month being recorded. That afternoon was cloudy with some light rain. Then in the evening a shower moved north over the Island, giving torrential rain for a while for some parts.

By the 3rd pressure was low across southern England with a mix of cloud and sun for us. The low moved away to the east overnight allowing a cool northerly flow to spread south across the Channel. The sun broke through in the afternoon, but the highest temperature we could manage was 12.8°C. Fronts returned on the 5th bringing periods of rain, some of which was heavy and accompanied by hill fog. There was further heavy rain on the 6th, with fog for a while and the 7th saw much of the same. The weather on the 7th was brought in by a deep depression, with the lowest pressure here of 993.6mb; the lowest pressure recorded in June for over 50 years. There were strong winds as well with these continuing on into the 8th.

A transient ridge of high pressure gave dry and reasonably sunny conditions during the daytime on the 9th, but cloud from more Atlantic fronts arrived that evening. The 10th was a dull and wet day with fog for much of the time, which only cleared when cool north-west winds came in during the evening. By the morning of the 11th the previous day's low had moved away to the north-east with much brighter weather following, although it remained rather cool. Cloud returned for the 12th with rain early and heavy rain late on, continuing into the early hours of the 13th. By that afternoon the sun was out and the temperature climbed close to normal.

A new depression moved into western Biscay early on the 14th with its associated fronts crossing the area during the day, to ensure a cloudy day with rain by late morning. The depression had moved to south-west Ireland by the 15th with little rain for us and a few hours of sunshine. There were only a few showers on the 16th, with periods of sunshine, but temperatures were still depressed. A minor weather feature made the 17th mainly cloudy with rain at times, but this had cleared away to the east by dawn on the 18th, to leave a reasonably sunny day.

A small high cell moved north-east across the area on the 19th to give a mainly sunny day with light winds. Overnight cloud encroached from the south to lead to rather cloudy conditions for the 20th. Easterly winds, though, helped to make it a

rather warm day. During the evening there were burst of heavy rain with thunder and lightning. The 21st was cloudy with thick fog for a while and then rain late in the morning. In the afternoon the wind swung around to the south-west and increased markedly with near gale force winds recorded at the Airport. Elsewhere across the Bailiwick a full gale was recorded and there were severe gales in mid-channel, which caused damage to cars and crew members on board the high-speed ferry.

Pressure rose steadily on the 22nd as an anticyclone moved into Biscay. This gave us a dry day with sunny periods. The pressure was still high on the 23rd, but fronts from yet another Atlantic depression gave rain late in the day. Over the next three days fronts were never far away, giving mainly cloudy weather with spells of rain or drizzle and hill fog at times. Fronts had moved away to the north on the 27th with a weak ridge of high pressure over the area. Fog was still a problem through the morning, but cleared away by the afternoon as an easterly breeze picked up. It stayed mainly cloudy, although the temperature rose through the afternoon, with the highest temperature occurring during the evening. Most of the night was warm and the temperature rose early on the 28th, but the wind soon veered to the south-west with low cloud and fog coming in.

On the 29th pressure was low off north-west Ireland with fronts swinging north-east across much of Britain. This gave us a mainly cloudy day with rain in the late morning, followed by showers during the afternoon. There were further showers overnight, but these had cleared by dawn on the 30th. The rest of the day was dry and it became mainly sunny.

July

A showery westerly flow covered the Channel on the 1st, with showers shortly after dawn. We even had some hail; an unusual occurrence here in July. The cloud then broke to give a mainly sunny day, but cloud from approaching Atlantic fronts arrived late on. For the next three days pressure was low to the west of Ireland with fronts affecting the area for much of the time. This situation ensured two dull days with rain or drizzle at times. It was also misty with occasional hill fog. The weather for the 4th began in a similar vein, but a cold front cleared through during the early afternoon to allow us some sunshine.

By the morning of the 5th the low had drifted south-east towards Brittany, keeping the mainly cloudy conditions going. There was some sunshine, but also showers during the afternoon. The old low had almost disappeared by the 6th, but by this time a new one had developed over the Low Countries. This then proceeded to move west then south-west and deepen. This brought rain late on the 6th with heavy rain at times early on the 7th. Not surprisingly there was little sunshine and it was cool with temperatures at 13 or 14°C for most of the day.

While the depression moved away again to the north-east we were left in cool air on its western flank. For three days there was only a small amount of rain, but it was still generally cloudy with temperatures two or three degrees below normal, particularly so during the daytime. A shallow ridge of high pressure allowed us almost 10 hours of sunshine on the 11th, but cloud ahead of the next fronts arrived that evening. These fronts affected us throughout the 12th, resulting in a dull, wet and cool day; the highest temperature reached was just 14.2°C. There were breaks in the cloud for a few hours on the 13th, before heavy rain came in for a while that evening.

Rising pressure on the 14th brought a mainly sunny day for a change, although there was cloud late on, the remnants of an old front. The cloud broke-up again during the late morning of the 15th, with sunshine for the afternoon. While the pressure continued to rise, as a developing anticyclone moved north-east into southern Biscay, cloud increased once more as Atlantic fronts again pushed into western Ireland. Fronts continued to cross Britain on both the 16th and 17th, ensuring a large amount of cloud. The pressure was at its highest for the month on the 17th, but moist south-west winds meant cloud, mist and hill fog patches, instead of bright sunshine.

The anticyclone had declined by the morning of the 18th with a cold front eventually passing through, to clear away the last of the fog. The pressure then started to rise again as a building high edged towards Ireland. This brought drier and brighter conditions, although temperatures remained depressed. There were sunny periods on the 19th and 20th, before our first day of unbroken sunshine on the 21st. With a light north-west breeze it was, though, a rather cool day. Very light winds and more unbroken sunshine allowed the temperature to climb closer to normal for the 22nd, but it was not until the next day that it became warm.

There was almost no cloud in the sky from late on the 22nd until the afternoon of the 26th. This gave a real taste of summer, with the temperature reaching its highest on the 26th, the Airport recording 25.3°C and 27.8°C being reported from Rocquaine. Cloud increased during the evening of the 26th as thunderstorms moved north over western France. Lightning was visible for several hours that night, but it stayed dry here with only a distant rumble of thunder being heard. The 27th was a cooler day, but with periods of warm sunshine after the early cloud had broken.

With winds back in the west or north-west over the next three days temperatures were below average once more. Both the 28th and 29th were mainly sunny, although there was a heavy shower shortly after dawn on the 29th. The weather was rather more mixed on the 30th with less sunshine and rain later in the day. To end the month we had a warmer day, although the morning was cloudy.

August

The all too familiar picture this summer of low pressure close to the British Isles greeted us at the start of this month. The depression was centred to the west of Ireland with a warm front moving north over Scotland and a cold front approaching south-west England. This gave us a mainly cloudy day, although it brightened up during the evening. Over the following five days the depression moved very slowly east, then south-east, filling very slowly as well. This situation resulted in showery conditions with temperature slightly below normal. We had periods of sunshine on each of these days, but also some showers, with the occasional heavy shower passing through.

The pressure began to rise as a developing high moved across Biscay. More fronts pushed into south-west England, but their effect here was limited by the rising pressure. By the 8th an anticyclone was centred over northern France allowing the cloud to break-up with the temperature climbing above 20°C for the first time in more than 10 days. High pressure over the British Isles then dominated the weather for the next two days, leading to a warm and sunny easterly flow for the Bailiwick. There was unbroken sunshine on the 9th and 10th with the temperature reaching 23°C on both days. Much of the 11th was similar, but by now the high had drifted into the North Sea, while thundery low pressure extended north over western France. At this stage there was no thunder here and we had just a light shower.

Low pressure gradually became dominant, bringing increased cloud and lower temperatures, although with mainly southerly winds it was still slightly warmer than normal. Showers affected us on the 13th, one or two being heavy, with thunder for a while around midday. The next day was generally dry with periods of sunshine, but then a developing low moved north over western Biscay, with its fronts giving bursts of heavy rain on the morning of the 15th. That afternoon was mainly sunny, however, with low pressure still in control more cloud arrived for the 16th with rain in the afternoon.

A relatively small change in the pressure pattern brought very warm air in for the 17th. The low pressure edged westwards while high pressure over Europe came closer, with a south-east airflow spreading in across the Islands. Temperatures climbed steadily through the day, eventually reaching 25.7°C at the Airport, the highest for the month. A veer of the wind for the 18th brought in mist or fog, although there was more warm sunshine that afternoon. The fog hung around for much of the next day, to produce cooler conditions.

A ridge of high pressure gave us warm sunny periods on the 20th, once early mist and low cloud had cleared. The 21st was a generally cloudy day with a weak trough of low pressure giving the odd light shower. This was followed by mainly sunny conditions for the 22nd, before cloud increased during the afternoon of the 23rd, heralding the approach of a deepening Atlantic depression. This depression reached south-west Ireland on the morning of the 24th, with its fronts swinging in across the Islands on the 24th, giving spells of heavy rain with thunder and lightning during the late morning. This depression then moved east-north-east through Wales and England the next day, to give us cloudy, windy and cool weather with a number of showers.

By the morning of the 26th the low had been replaced by a transient ridge of higher pressure. This killed off the showers and allowed sunny periods, although the temperature only climbed a little higher than the previous day. Yet another low then moved north-east just to the west of Ireland. The associated frontal system brought mainly cloudy weather for the Bank Holiday, however, a southerly flow meant that it was a reasonably warm day. There was heavy rain for a while that evening, with drizzle overnight before the cold fronts cleared through. The sun came out by late morning on the 28th, continuing through that afternoon.

The last depression of the month approached western Ireland early on the 29th, with its cold front moving rapidly east along the Channel. This brought heavy rain for a while, along with a marked drop in temperature down to 12°C during the late morning. This was the lowest temperature recorded this month up to this stage. The pressure then rose steadily over the next two days as a developing anticyclone moved in from the south-west. This change brought two mainly sunny days to end the month, although with the wind blowing in from the north-west or north it was rather cool.

September

At the start of the month high pressure was centred to the west of Biscay, with fronts moving east across the British Isles. This situation gave generally dry conditions, but with a large amount of cloud around for much of the time, which did give us measurable rainfall on the 2nd. For the first three days temperatures were close to, or slightly above average. The 4th was a cooler day with negligible sunshine and patches of fog.

The 5th saw the passage of a weakening cold front, which marked the arrival of much clearer air, so that following some early rain it became mainly sunny. The next two days were sunny with lighter winds and rising daytime temperatures, but the nights were cooler. Still warmer air came in on the 8th with the temperature reaching 23.4°C; its highest for the month. This warmth was brief, though, as the wind veered to the south-west the next day, bringing in low cloud and fog patches.

A weak cold front went through early on the 10th, giving a little drizzle. Once it had cleared we had spells of sunshine and it became reasonably warm. A wave on the cold front then came close to the Islands, giving rain for a while. This then moved away again, followed quickly by another cold front, which marked the boundary to rather cool air. There were sunny spells on the 11th, but it was noticeably cooler than the previous few days. Weak frontal systems then came in for the 12th, bringing in some showery rain. Once these weak fronts had moved away the pressure built, to allow us a mainly sunny day on the 13th, but north to north-west winds made it rather cool.

Fronts again made their presence felt on the 14th, giving generally cloudy conditions, although with just a little drizzle. A new ridge of high pressure brought sunny periods for the 15th, but as the ridge declined more fronts moved across western Britain. Over the next couple of days we were covered by a cloudy airflow coming in off the Atlantic. This flow became moist on the 17th with outbreaks of drizzle and just brief spells of sunshine in the afternoon. Conditions improved again for the 18th as the pressure rose once more with the approach of an anticyclone from the west. Under its influence we had two mainly sunny days, although it was rather cool.

The pressure was still high early on the 20th, but it was by now falling as low pressure over Spain began to extend its influence into Biscay. The 21st was a dry day, but with a considerable amount of thick high cloud blocking out the sun for much of the day. A small high then moved east across the United Kingdom on the 22nd, while a new low developed off Portugal. Fronts from this low began to affect us that evening with thickening cloud. Rain arrived by midnight, becoming heavy at times during the early hours of the 23rd. The rain eased for a while, before coming back with a vengeance between 10 & 11 a.m. At one stage the rain fell at a rate of more than 120mm per hour (5in per hour), luckily only for a couple of minutes at this rate. This was enough, though, to produce flooding at several locations around the Island. The rain had stopped by late afternoon, with skies clearing for a while during the early part of the night. This low was, however, not finished with us.

By dawn on the 24th the low was centred near Weymouth, having given us some more heavy rain. To the south of the low a steep pressure gradient formed, bringing the first gales in September since 1983. The low remained over the British Isles until early on the 27th. Initially it moved north then turned to the north-west, before drifting south to be back in the English Channel by the evening of the 26th. The effect on our weather was to have more heavy showers, but also sunny periods on both the 25th and 26th. The low moved away rapidly to the north-east on the 27th, leaving us with sunny periods.

The next set of Atlantic fronts reached the area around midday on the 28th. They were weak, giving a few showers, but also meaning that there was little sunshine. Sunnier conditions followed for the 29th, although this was rather cool and this led into the coldest night of the month. For the last day of the month we had a ridge of high pressure being replaced by fronts coming in from the Atlantic. Rain from these fronts did not reach here until the early hours of the 1st October, but this rain is credited to 30th September.

October

A south-west airflow covered the area at the start of the month, ahead of a cold front. This front passed through during the afternoon, giving heavy rain for a while. Fair conditions followed through much of the night and early part of the 2nd, but more fronts came in that afternoon and overnight to bring more heavy rain. There was yet more heavy rain and, or, showers on the 3rd, with the rain not clearing until the early hours of the 4th. A weak transient ridge of high pressure gave a mainly sunny day on the 4th, however, another small depression brought more rain overnight.

Fronts were close to us throughout the 5th, giving rain or drizzle during the morning and also some heavy rain. The afternoon was brighter allowing the temperature to reach its highest for the month. Fronts were never far away over the following six days, ensuring cloudy conditions prevailed with periods of rain or drizzle on each day. A small anticyclone moved east across the British Isles on the 6th and 7th, bringing our winds around to the east, otherwise with little variation in the dismal weather. The incursion of mild air on the 10th brought the problem of fog which disrupted flying for most of the day.

The fronts then moved north over the United Kingdom as a southerly flow developed, with a clearance of all the cloud finally arriving with the passage of a cold front late on the 11th. The 12th saw sunny periods for a change, but it turned colder with a fresh to strong westerly flow. That evening there were heavy showers accompanied by some hail and thunder. Showery conditions prevailed over the following few days, with rain at some point on each day, but also sunny periods. A

new depression then moved in towards south-west Ireland on the 16th, with its fronts crossing the area overnight, giving several hours of heavy rain. The 17th saw sunny periods again and with southerly winds blowing the temperature rose.

The depression then moved very slowly north-east across Ireland, with fronts remaining nearby for the next couple of days. This situation ensured that it became cloudy once more, although this time there was little rain. The fronts edged away to the east on the 20th as a weak ridge of high pressure crossed the area. There was, though, a large amount of high cloud around to stop the sun from shining, but it was at least dry. The old fronts then made a return westwards bringing rain and drizzle. A return of warmer and moist air behind the front, on the 22nd, resulted in fog becoming a problem again.

Rising pressure on the 23rd brought generally dry conditions, but it was still misty with patches of fog. There was little change in the weather over the next couple of days, with the sun making only brief appearances. Over the following two days the north-east wind picked up as a steeper pressure gradient developed, between low pressure over Spain and high pressure near Iceland. Temperatures here were still above average, but a series of cold fronts were moving south across the British Isles. The last one of these passed through late on the 26th, its passage being marked by several showers. Much colder air followed with the temperature down below 8°C by midnight on the 26th. The 27th saw a maximum temperature of just 8.6°C, despite over six hours of sunshine. This was the only day this month when the temperature stayed below 10°C

A developing depression then moved east to the north of Scotland, with its fronts moving south-east through the rest of Britain. This cut off the supply of Arctic air, bringing a rise in temperature, but also increased cloud. The cold front from this system reached us in the early hours of the 30th, giving some heavy showers, followed by clearing skies later that morning. A new low then formed south of Iceland, deepening considerably as it approached north-west Scotland. The cold front swung through late in the day, bringing heavy rain by midnight, with this heavy rain continuing into the early hours of November 1st.

November

Complex low pressure over, and near to, the British Isles controlled the weather for the first five days of the month. This led to heavy showers on each day, with hail at times and a brief thunderstorm on both the 1st and 2nd. Also shortly after dawn on the 5th funnel clouds were seen over the sea to the north of Guernsey. For the first four days winds were strong and gusty, while temperatures were below normal for this whole period.

The low pressure had moved away by the 6th with a ridge of high pressure following, to give mainly sunny weather, although cloud spread in again that evening. The pressure was at its highest for the month on the 7th, but by now a cloudy westerly flow covered Britain and this persisted on the 8th with a weak cold front giving a little drizzle. By the 9th the pressure had fallen again with a small depression moving north-east over Biscay, while a cold front edged in towards western Britain. The cold front went through in the early hours of the 10th, giving some heavy rain, followed by showery conditions.

There were showers during the early part of the 11th, but by now pressure was rising due to the approach of a ridge of high pressure. This resulted in a mainly sunny day, although the cloud increased that evening heralding the approach of a warm front. With the front's passage it became milder, but with outbreaks of rain or drizzle. The next day with a light southerly wind blowing and a few hours of sunshine we recorded the highest temperature of the month, a fairly low 13.9°C. That night was fair, but with heavy dew, while the 14th turned out to be a fine day with unbroken sunshine. That night low cloud, which had formed over France, spread across the Islands. This stayed with us all day on the 15th, ensuring a cool and dull day with the cloud lowering into fog during the evening.

The 16th saw a moderate south-east breeze developing which lifted the fog and the low cloud then dispersed to allow us several hours of sunshine. A small low and its fronts then moved north-east from Biscay to bring some rain before a cold front came in from the Atlantic, followed by colder air. A weak ridge of high pressure crossed the area on the 18th, to produce a dry day. There was limited sunshine, though, as cloud from the previous days' fronts took a while to clear and cloud from the next fronts soon spread in. Rain from these fronts did not reach us until the afternoon of the 19th, but then continued off and on overnight and through the 20th. The rain became heavier later that afternoon, persisting through the evening.

A weak ridge of high pressure brought breaks in the cloud for the afternoon of the 21st and the cloud remained well broken through that night and for the morning of the 22nd. Sunny periods and a southerly breeze meant that this was a mild day, but cloud from the next Atlantic weather system spread in that afternoon. Heavy rain came in towards midnight, with more heavy rain in the early hours of the 23rd, clearing with the passage of a cold front. This front, though, slowed down over Brittany being linked to a depression off north-west Spain, ensuring that it was cloudy despite being dry.

The depression off north-west Spain then moved north-east towards the mouth of the Channel, pushing the old front north across the area to give heavy rain for a while. As this depression continued on its way through southern England our winds increased, with gales late on the 24th and for the first few hours of the 25th. With the depression moving rapidly north-

east the wind eased leaving us with sunny periods for that afternoon. Another small low swung in that night to bring more heavy rain for a while, followed by heavy showers of rain or hail.

We had one more wet day to go, with the low moving slowly out into the North Sea. Once the low had moved away the wind veered towards the north, bringing in much colder air. This northerly flow was still cloudy, but it became mainly dry with just an isolated light shower. The cloud finally started to break on the 29th to give us sunny periods, followed by clear spells overnight. These clear spells combined with light winds brought our only ground frost of the month. Cloud increased again on the 30th, but it stayed dry through the day.

December

A slack area of low pressure covered the British Isles on the 1st, giving us a quiet day with sunny periods, before cloud increased that evening. Most of the following night was fair, but cloud ahead of an approaching Atlantic warm front soon spread in. Rain and drizzle arrived that evening, with patches of hill fog later. The 3rd was a mainly dull day with further rain and drizzle, then heavier rain for a while in the evening. Showery conditions followed on the 4th, with some showers accompanied by hail and gusty winds. There was also a brief thunderstorm that evening. There were some more showers the next day, before becoming fine in the afternoon.

Light winds and well broken cloud allowed a ground frost on the 6th, but the cloud soon increased to ensure no sunshine was recorded. A frontal system moving south-east over the British Isles brought heavy rain later that evening, with the rain continuing into the 7th. The rain was soon replaced by a return to showery conditions, with strong winds. The showers soon petered out to leave a reasonably sunny day. The pressure then rose as an anticyclone edged into Biscay. This brought a quieter day, but there was only a glimpse of the sun.

The pressure remained high on the 9th, but it was cloudy again. That evening a decaying cold front passed through, triggering a few showers. The skies cleared following the passage of this front, however, northerly winds pulled in cold air. Despite over six hours of sunshine the daytime temperature was lower than previously this month. The pressure reached its highest for the month on the 11th, but this did not prevent cloud from forming to give a light shower that afternoon. A veer of the wind to the south-east brought in clearer air so that the 12th was mainly sunny, although this was the coldest day of the month. The cloud increased that evening, heralding a marked change in the weather.

Rain and drizzle arrived shortly after dawn on the 13th. This soon died out, but it stayed cloudy and became misty. Fog spread in for a while during the late evening, before thinning out to mist again. The south-east wind strengthened gradually overnight ahead of an active warm front, which brought us heavy rain before dawn on the 14th. The temperature climbed markedly as this rain went through, reaching 11°C by 10 a.m. on the 14th. By now a large depression over the central Atlantic had become the controlling feature of the weather, with a strong and showery south-west flow soon affecting the Islands. Over the next four days there were frequent showers, some with hail mixed in and also thunder for a while on the 16th. Due to winds blowing off the Atlantic temperatures were slightly above average.

The next change saw the old Atlantic low filling and moving east across the British Isles. A transient ridge of high pressure brought light winds for a time on the afternoon of the 18th. The next frontal system was, though, approaching rapidly to bring rain during the early hours of the 19th. The rain persisted through the morning, gradually easing off. There was then fog for a while in the afternoon, with more drizzle & rain in the evening. There was yet more rain overnight and on the morning of the 20th, followed by showers that afternoon.

The 21st was dry with broken cloud early on, but the cloud soon increased to ensure no sunshine. A new warm front was moving in steadily, bringing us rain before midnight. The rain continued through the early hours of the 22nd, becoming heavy at times, before easing off, but with fog patches forming. It became very mild and, in the afternoon, also dry, while remaining misty. The very mild conditions continued through the night with further drizzle and fog. There was an incursion of less mild air for a while on the afternoon of the 23rd, before the very mild air spread in again on the 24th. The passage of a cold front brought lower temperatures, with breezy and showery weather following for Christmas Day. There were, though, three hours of sunshine to make for a better day after six gloomy ones.

There were showers at first on Boxing Day, followed rain and drizzle in the afternoon. A depression then moved rapidly east through Wales and England overnight, followed by a return to showery weather. A tightening pressure gradient produced gales for a while on the morning of the 27th. More rain and drizzle came in that night as a warm front passed through. After drizzle and rain in the early hours of the 28th, it was mostly dry for the rest of the day. The cold front of this weather system crossed the area during the early afternoon of the 29th, marked by some heavy rain. Showers followed that evening, with some hail and lightning. There were some showers on the 30th, before more rain came in on the 31st, with heavy rain for a time in the evening.

ANNUAL WEATHER SUMMARY

MONTH	MEAN AIR TEMPERATURE °C		RAINFALL mm		SUNSHINE hrs	
	2012	DIFFERENCE FROM AVERAGE	2012	PERCENTAGE OF AVERAGE	2012	PERCENTAGE OF AVERAGE
JAN	8.0	+1.1	46.6	50.4	64.6	105.9
FEB	5.7	-0.8	29.9	42.6	71.1	82.9
MAR	9.0	+1.2	21.6	32.2	190.4	149.2
APR	8.6	-0.6	123.3	232.2	228.1	117.2
MAY	11.8	-0.2	65.7	129.1	236.6	100.9
JUN	13.8	-0.7	122.3	268.8	167.9	68.1
JUL	15.5	-1.0	61.7	146.6	219.2	87.4
AUG	17.1	+0.2	52.7	110.5	211.7	92.0
SEP	14.7	-0.7	84.3	146.6	166.1	92.2
OCT	12.7	-0.3	147.5	155.3	74.4	63.5
NOV	9.6	-0.3	122.1	117.1	74.7	96.0
DEC	8.2	+0.5	171.7	152.1	47.5	81.6
YEAR	11.2	-0.2	1049.4	125.1	1752.3	94.0

* NEW RECORD

SUNSHINE

MONTH	SUNSHINE (hours)						SUNNIEST DAY		% OF POSSIBLE SUN		SUNLESS DAYS	
	2012	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	2012	DATE	2012	AVERAGE 1981-2010	2012	AVERAGE 1981-2010
JAN	64.6	61.0	112.8	1998	26.0	1966	7.8	15,16	24.0	22.7	7	10.1
FEB	71.1	85.6	143.9	2008	36.1	1976	9.7	29th	24.2	29.1	9	6.3
MAR	190.4	127.6	214.8	2009	67.4	1964	11.3	29th	51.8	34.7	3	5.5
APR	228.1	194.7	280.4	1984	122.2	1981	12.7	12th	55.8	47.7	3	2.5
MAY	236.6	234.5	336.4	1989	136.9	1981	14.7	28th	50.0	49.6	4	1.8
JUN	167.9	246.6	355.3	1975	147.8	1977	14.4	19th	34.9	51.2	1	1.9
JUL	219.2	250.7	335.9	1959	167.7	1972	14.7	25th	45.2	51.7	3	1.4
AUG	211.7	230.1	323.0	1955	139.2	1992	13.6	9,10	47.8	52.0	0	1.2
SEP	166.1	180.1	266.5	1959	104.5	1956	12.1	7th	44.1	47.8	1	2.3
OCT	74.4	117.1	176.4	1971	72.6	1968	9.9	4th	22.5	35.3	11 *	4.6
NOV	74.7	77.8	123.6	2006	38.9	1981	8.3	14th	27.6	28.7	6	6.9
DEC	47.5	58.2	108.9	2001	26.6	1966	6.3	10th	18.6	22.8	10	11.0
YEAR	1752.3	1864.0	2262.8	1959	1532.5	1981	14.7	28/5,25/7	39.3	41.8	58	56.8

ATMOSPHERE PRESSURE (Millibars) AT MEAN SEA LEVEL

MONTH	MEAN PRESSURE						EXTREME PRESSURE					
	2012	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	RECORD HIGHEST	DATE & TIME G.M.T.	RECORD LOWEST	DATE & TIME G.M.T.	RECORD LOWEST	DATE & TIME G.M.T.
JAN	1024.3	1017.9	1030.5	1992	1001.1	1948	1045.9	30/1989	0945	966.6	20/1965	1220
FEB	1031.5	1018.0	1032.1	1959	1003.5	1966	1047.5	7/1964	1050	952.5	25/1989	1050
MAR	1028.5	1017.0	1029.9	1953	1003.0	1947	1047.7	3/1990	0930	969.6	13/1951	1630
APR	1004.8	1015.1	1025.1	1954	1002.6	1998	1040.2	10/1947	0800	979.5	16/1998	1620
MAY	1017.4	1016.0	1025.3	1991	1007.6	1983	1036.1	22/1991	0900	981.3	5/2004	2350
JUN	1012.9	1018.0	1024.5	1962	1009.5	1997	1037.5	14/1959	0850	988.9	9/1954	1500
JUL	1016.0	1017.7	1023.5	1969	1013.9	1988	1034.5	12/1969	1150	986.6	3/1988	0845
AUG	1015.8	1017.3	1022.0	1981	1011.9	1963	1036.1	12/1949	0930	982.3	9/1948	0000
SEP	1017.6	1017.2	1024.2	1977	1009.9	1999	1037.3	22/1947	0700	974.7	13/1993	0630
OCT	1011.2	1014.8	1024.5	1971	1003.9	1960	1040.0	26/1969	2200	959.5	16/1987	0200
NOV	1011.0	1015.3	1026.2	1978	1001.5	2000	1041.9	2/2001	0850	963.2	9/2011	0300
DEC	1010.6	1016.4	1029.5	1991	1000.6	1978	1046.0	25/1991	0950	964.2	8/1954	1450
YEAR	1016.8	1016.7	1019.8	1949	1013.4	1960	1047.7	03/03/1990	0930	952.5	25/02/1989	1050

RAINFALL

MONTH	RAINFALL mm						WETTEST DAY		RAIN DAYS (≥0.2mm)		WET DAYS (≥1.0mm)	
	2012	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	2012	DATE	2012	AVERAGE 1981-2010	2012	AVERAGE 1981-2010
JAN	46.6	92.5	210.0	2001	15.4	1992	22.0	1st	17	19.3	8	14.6
FEB	29.9	70.2	182.8	1978	4.8	1965	13.3	4th	10	15.7	6	11.3
MAR	21.6	67.0	179.6	2001	2.7	1961	10.4	4th	7	15.9	4	11.5
APR	123.3	53.1	130.4	1966	2.9	1980	25.7	27th	18	13.2	14	9.7
MAY	65.7	50.9	128.7	1994	4.1	1989	14.4	9th	14	11.9	9	8.5
JUN	122.3	45.5	129.7	1986	0.6	1976	19.2	12th	20	10.4	17 *	7.1
JUL	61.7	42.1	120.2	1960	3.9	1999	17.6	6th	14	11.0	11	7.5
AUG	52.7	47.7	122.0	1951	3.8	1955	12.9	24th	14	10.6	10	7.6
SEP	84.3	57.5	194.5	1952	6.9	1997	36.5	23rd	12	12.4	9	9.0
OCT	147.5	95.0	233.9	1960	3.4	1978	24.0	7th	24	17.3	23	13.3
NOV	122.1	104.3	234.5	2009	16.1	1978	14.5	11th	19	18.8	16	15.0
DEC	171.7	112.9	249.6	1999	28.1	1953	25.0	21st	25	18.6	22	15.5
YEAR	1049.4	838.7	1317.0	1960	531.3	1989	36.5	23-Sep	194	175.0	149	130.5

* NEW RECORD

TEMPERATURE °C

MONTH	MEAN MAXIMUM		HIGHEST MAXIMUM				MEAN MINIMUM		LOWEST MINIMUM			
	2012	AVERAGE 1981-2010	2012	DATE	RECORD HIGHEST	DATE	2012	AVERAGE 1981-2010	2012	DATE	RECORD LOWEST	DATE
JAN	9.5	8.7	12.3	3rd	13.3	4/48,9/07	6.4	5.0	0.7	16th	-7.8	20/1963
FEB	7.5	8.4	12.1	28th	15.0	29/1948	3.9	4.6	-3.3	11th	-7.2	21/48,7/91
MAR	11.8	10.0	18.6	24th	19.4	29/1965	6.2	5.6	2.5	12th	-2.2	10,11/1958
APR	11.2	11.8	14.5	30th	24.3	16/2003	6.0	6.6	3.2	2nd	-1.4	11/1986
MAY	14.3	14.9	20.5	25th	25.9	30/2003	9.2	9.2	5.7	14th	0.1	2/1979
JUN	16.2	17.5	21.5	2nd	30.8	26/1976	11.4	11.5	8.0	5th	5.4	1/1975
JUL	18.1	19.5	25.3	26th	31.7	1/1952	12.9	13.6	10.5	1st	8.3	8/1954
AUG	19.8	19.8	25.7	17th	34.3	9/2003	14.4	14.1	11.9	31st	9.2	28/1986
SEP	17.2	18.0	23.4	8th	30.6	2/1961	12.1	12.9	9.5	30th	5.8	28/1974
OCT	14.5	15.1	17.0	5th	23.6	1/2011	10.8	10.8	4.8	27th	3.5	28/2003
NOV	11.4	11.8	13.9	13th	16.8	1/99,8/05	7.7	8.1	4.0	30th	-0.8	28/2010
DEC	10.1	9.5	12.9	24th	15.6	6/1953	6.3	6.0	1.4	13th	-3.8	24/1963
YEAR	13.5	13.8	25.7	17-Aug	34.3	09/08/03	9.0	9.0	-3.3	11-Feb	-7.8	20/01/63

MONTH	MEAN DAILY AIR TEMPERATURE						MEAN DAILY RANGE					
	2012	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	2012	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR
JAN	8.0	6.9	9.0	2007	1.5	1963	3.1	3.7	4.7	1984	3.1	1957,66,76,91,96
FEB	5.7	6.5	9.0	1990	1.5	1986	3.6	3.8	4.7	2008	3.0	1986
MAR	9.0	7.8	10.3	1957	4.4	1962	5.6	4.4	6.4	1953	3.7	1964,81,88
APR	8.6	9.2	12.0	2011	6.4	1986	5.2	5.0	7.1	2011	3.7	1994
MAY	11.8	12.1	13.9	1989	9.9	1984	5.1	5.7	7.3	1989	4.6	1981
JUN	13.8	14.5	16.7	1976	11.3	1972	4.8	5.8	8.3	1976	4.1	1977
JUL	15.5	16.6	19.4	1983	13.8	1954	5.2	6.0	7.9	1983	4.4	1954
AUG	17.1	17.0	19.3	2003	14.3	1956	5.4	5.8	7.3	1955	4.3	1958
SEP	14.7	15.5	17.5	1949	12.8	1986	5.1	5.0	6.1	1961	3.6	1967
OCT	12.7	13.0	15.2	2001	9.6	1974	3.7	4.1	5.1	1947	3.5	1968
NOV	9.6	10.0	12.0	1994,2011	7.7	1993	3.7	3.7	4.9	1969	2.8	1994
DEC	8.2	7.8	10.1	1953	4.4	2010	3.8	3.6	4.5	1968	2.8	1987
YEAR	11.2	11.4	12.1	1989/03,'06	9.6	1963	4.5	4.7	5.2	1949,89,90	4.3	1977

MONTH	LOWEST GRASS MINIMUM TEMPERATURE				DAYS WITH AIR FROST				DAYS WITH GRASS MINIMUM BELOW 0°C			
	2012	DATE	RECORD LOWEST	DATE	2012	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	2012	AVERAGE 1981-2010	RECORD HIGHEST	YEAR
JAN	-2.1	16th	-10.0	29/1947	0	1.6	16	1963	3	7.1	20	1985
FEB	-5.3	12th	-11.1	12/1978	5	1.9	18	1986	10	8.5	24	1956
MAR	-0.6	19th	-9.4	3/1965	0	0.3	4	1947	5	6.8	18	1955
APR	-1.3	16th	-7.0	5/1990	0	0.0	1	1978,86	4	4.7	10	1984
MAY	0.2	13th	-5.6	5/1979	0	0.0	--		0	1.5	9	1979
JUN	6.0	19th	-3.0	14/1987	0	0.0	--		0	0.3	3	1987,89
JUL	8.8	1st	1.0	Jul-96	0	0.0	--		0	0.0	--	
AUG	9.2	23rd	0.8	11/1981	0	0.0	--		0	0.0	--	
SEP	2.6	30th	-1.0	23/1979	0	0.0	--		0	0.1	1	1979,86,87
OCT	0.7	28th	-4.0	30/1983	0	0.0	--		0	1.0	6	1992
NOV	-2.7	30th	-5.6	29/1987	0	0.1	2	2010	1	3.3	9	1988
DEC	-2.1	6th	-8.9	29/1964,27/1995	0	0.5	5	1970	3	6.2	13	2010
YEAR	-5.3	12-Feb	-11.1	12/02/1978	5	4.5	31	1963	26	39.4	62	1985

* NEW RECORD

NUMBER OF DAYS WITH

MONTH	FOG					THUNDER				
	2012	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	2012	AVERAGE 1981-2010	RECORD HIGHEST	YEAR
JAN	3	6.5	13	1955,82	2	1963,67,72,74,92	0	0.6	4	1979,98
FEB	9	6.6	15	1979	0	1969	0	0.6	3	1957,89
MAR	8	8.5	16	1960,94	0	1968,73	0	0.5	4	1958,67,82,87,95
APR	0 *	6.7	16	1963	2	1976,90	1	0.8	4	1981,95
MAY	8	7.7	19	1964	2	1988	1	1.1	4	1950,71
JUN	13	9.3	18	1965	1	1975	1	1.4	6	1982
JUL	12	10.0	20	1972,78	3	2008	0	1.4	5	1982,94
AUG	6	9.2	21	1997	2	1976	2	1.2	5	1974
SEP	3	5.4	15	1987	0	1952,53,72	1	0.8	10	1976
OCT	9	4.1	17	1986	0	-	1	1.3	5	1964
NOV	3	3.3	14	1992	0	-	2	0.9	4	1969
DEC	8	4.5	11	1995	0	1947,64,75	2	1.0	4	1976,93
YEAR	82	81.7	115	1994	52	2008	11	11.6	21	1982,95

MONTH	SNOW OR SLEET				HAIL					
	2012	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	2012	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR
JAN	0	2.8	12	1963,85	3	5.1	13	1984,85	0	1955,64,70,92,93
FEB	3	4.0	18	1956	0	4.8	13	1988, 2010	0	-
MAR	0	1.3	10	1962,70	0	3.9	10	2008	0	-
APR	0	0.6	4	1970	4	2.6	10	1994	0	-
MAY	0	0.0	3	1979	0	0.6	3	1955,82	0	-
JUN	0	0.0	-	-	0	0.1	1	1986,87	0	-
JUL	0	0.0	-	-	1	0.1	1	1971,87,94	0	-
AUG	0	0.0	-	-	0	0.1	1	-	0	-
SEP	0	0.0	-	-	0	0.3	2	1973,74,84	0	-
OCT	0	0.0	-	-	2	1.6	7	1992	0	-
NOV	0	0.5	6	2010	7	3.8	11	2000	0	1948,55,83,94,95
DEC	0	1.7	10	2010	7	4.7	13	2009	0	1964,68,75
YEAR	3	11.0	33	2010	24	27.7	50	1986	10	1964

MONTH	RAIN DAYS(≥0.2mm)				WET DAYS(≥1.0mm)					
	2012	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	2012	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR
JAN	17	31	1948	4	1992	8	28	1948	3	1992
FEB	10	26	1970,95	2	1959	6	23	1951	1	1965
MAR	7	27	1979	3	1961	4	21	1947	1	1961
APR	18	21	1983	2	2011	14	18	1966	1	1976,'80,'11
MAY	14	26	1981	2	1989	9	19	1981	1	1989
JUN	20	21	1991	3	1975,76	17 *	14	1987,91	0	1976
JUL	14	20	1960,07	3	1999	11	15	1950,07	1	1999
AUG	14	21	1963	1	1976	10	18	1992	1	1955,76
SEP	12	23	1950,52	4	1959,97	9	21	1950	2	1959,97
OCT	24	28	1981	5	1965,78	23	24	1981	1	1978
NOV	19	28	2009	8	1978	16	26	2009	5	1988
DEC	25	28	1993	8	1991	22	26	1959	5	1991
YEAR	194	212	1960	138	1971	149	175	1960	96	1953

WIND SPEED

MONTH	MEAN SPEED (KNOTS)		NUMBER OF DAYS OF GALES				HIGHEST GUST (KNOTS)			
	2012	AVERAGE 1981-2010	2012	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	2012	DATE	RECORD HIGHEST	DATE
JAN	13.8	14.2	3	2.1	11	1984	57	4th	77	25/1990
FEB	9.8	13.1	0	1.1	10	1990	39	5th	69	9/1988,11/1990
MAR	9.0	12.3	0	0.6	6	1980	42	4th	70	10/1982
APR	13.4	11.4	0	0.2	2	1964,72,83,94	54	30th	60	9/1994
MAY	9.8	10.9	0	0.2	2	2007	33	15th	58	19/1996
JUN	10.9	10.1	0	0.0	0	-	47	21st	51	16/1965
JUL	10.8	10.2	0	0.0	1	1956,69	36	16th	63	31/1983
AUG	9.0	9.7	0	0.0	1	1956,61,86	37	25th	52	26/1986
SEP	9.7	10.8	1	0.1	2	1953,65,74,83	51	24th	60	29/1962
OCT	11.4	12.4	0	0.9	4	1967,76	39	5th	81	16/1987
NOV	11.7	13.0	2	0.8	8	1977	57	25th	73	23/1984
DEC	14.8	13.7	1	1.8	9	1979	56	27th	83	15/1979
YEAR	11.2	11.8	7	7.8	20	1972	57	4/1,25/11	83	15/12/1979

PERCENTAGE FREQUENCIES OF HOURLY MEAN WIND SPEED AND DIRECTION

2012

MONTH	DIRECTION RANGE		350	020	050	080	110	140	170	200	230	260	290	320	SPEED ONLY
	SPEED RANGE		-010	-040	-070	-100	-130	-160	-190	-220	-250	-280	-310	-340	
JAN	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	2.2
	4-10	knots	1.7	3.8	0.1	5.1	2.6	1.2	1.3	3.0	3.4	6.2	4.7	2.0	35.1
	11-21	knots	0.5	0.1	0.1	2.4	5.4		2.0	3.0	8.6	15.3	7.9	3.2	48.7
	22-33	knots		0.1						1.7	1.7	7.8	1.6		13.0
	≥34	knots										1.1			1.1
	DIRECTION ONLY		2.3	4.0	0.3	7.5	7.9	1.2	3.4	7.7	13.7	30.4	14.2	5.2	
FEB	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	10.2
	4-10	knots	5.5	5.3	3.6	4.6	2.3	1.9	1.7	5.0	4.6	4.9	3.4	5.9	48.7
	11-21	knots	3.7	6.0	4.5	0.1			0.7	3.4	3.4	6.3	1.7	9.1	39.1
	22-33	knots	0.1	0.3	1.1									0.4	2.0
	≥34	knots													
	DIRECTION ONLY		9.3	11.6	9.2	4.7	2.3	1.9	2.4	8.5	8.0	11.2	5.2	15.4	
MAR	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	4.2
	4-10	knots	6.5	8.5	8.7	4.4	1.9	3.9	2.2	6.5	4.3	5.0	4.6	8.3	64.7
	11-21	knots		1.9	13.2	2.3	0.1	0.8	1.1	2.3	1.2	0.1	4.7	2.3	30.0
	22-33	knots										0.1	0.1	0.9	1.2
	≥34	knots													
	DIRECTION ONLY		6.5	10.3	21.9	6.7	2.0	4.7	3.2	8.7	5.5	5.2	9.4	11.6	
APR	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	3.2
	4-10	knots	1.7	2.8	4.0	1.4	1.8	2.2	0.3	1.0	1.5	3.5	3.3	6.5	30.0
	11-21	knots	1.0	6.1	5.0	0.6	0.7	2.5	3.1	7.5	7.2	16.0	5.8	2.1	57.5
	22-33	knots		1.4	0.8			3.1	0.3	1.1	0.8	1.8			9.3
	≥34	knots													
	DIRECTION ONLY		2.6	10.3	9.9	1.9	2.5	7.8	3.6	9.6	9.6	21.3	9.2	8.6	
MAY	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	6.9
	4-10	knots	5.2	6.6	3.0	1.3	3.0	4.0	5.8	4.7	2.6	3.1	4.8	4.4	48.5
	11-21	knots	1.5	5.5	8.5	1.6	0.7	0.9	2.6	2.3	3.2	7.4	8.1	2.0	44.2
	22-33	knots			0.1	0.1							0.1		0.4
	≥34	knots													
	DIRECTION ONLY		6.7	12.1	11.6	3.1	3.6	5.0	8.3	7.0	5.8	10.5	13.0	6.5	
JUN	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	6.0
	4-10	knots	0.7	1.9	3.3	2.4	4.7	5.6	4.6	7.6	2.1	6.4	1.4	3.5	44.2
	11-21	knots		0.1	0.6	1.9	1.3	2.9	3.3	8.6	20.0	4.6	0.8	2.5	46.7
	22-33	knots							0.8	2.4					3.2
	≥34	knots													
	DIRECTION ONLY		0.7	2.1	3.9	4.3	6.0	8.5	7.9	17.1	24.4	11.0	2.2	6.0	
JUL	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	5.4
	4-10	knots	1.9	4.8	3.2	0.5	3.0	4.4	3.2	4.6	5.9	4.6	1.9	1.9	40.0
	11-21	knots	0.9	0.8	0.4	0	0.3	0.1	3.2	5.8	20.7	18.0	2.2	1.6	54.1
	22-33	knots								0.3	0.3				0.5
	≥34	knots													
	DIRECTION ONLY		2.8	5.7	3.6	0.5	3.2	4.6	6.5	10.4	26.9	22.9	4.0	3.5	
AUG	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	7.9
	4-10	knots	2.7	2.0	3.1	1.9	1.6	8.6	8.6	11.0	5.4	5.9	1.9	2.7	55.4
	11-21	knots		0.3	1.6	2.3	1.1	2.2	1.3	10.1	8.9	5.5	0.8	1.2	35.2
	22-33	knots							0.1	1.1	0.3				1.5
	≥34	knots							0						
	DIRECTION ONLY		2.7	2.3	4.7	4.2	2.7	10.8	9.9	21.2	15.3	11.7	2.7	3.9	
SEP	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	8.8
	4-10	knots	2.1	2.2	2.5	3.2	2.6	2.9	1.1	2.4	5.7	6.0	8.8	7.2	46.7
	11-21	knots	0.4	1.9	0.7	2.8	0.1	0.1	0.1	4.7	11.7	10.6	6.4	3.8	43.3
	22-33	knots				0.1					0.3	0.7			1.1
	≥34	knots										0.1			0.1
	DIRECTION ONLY		2.5	4.2	3.2	6.1	2.8	3.1	1.3	7.1	17.6	17.4	15.1	11.0	
OCT	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	11.0
	4-10	knots	1.2	2.8	3.1	4.8	3.4	2.6	0.3	1.5	5.1	4.0	3.2	1.2	33.2
	11-21	knots	2.8	3.4	5.4	1.1	0.7	1.5	3.8	14.0	12.4	8.7	0.5		54.2
	22-33	knots			0.3			0.1		0.5	0.5	0.1			1.6
	≥34	knots						0							
	DIRECTION ONLY		4.0	6.2	8.7	5.9	4.0	4.2	4.0	16.0	18.0	12.9	3.8	1.2	
NOV	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	6.1
	4-10	knots	4.0	0.6	0.4	4.3	3.6	4.0	2.6	4.9	4.6	5.0	3.8	5.6	43.3
	11-21	knots	5.0	0.1		0.3	1.5	3.3	6.8	7.9	10.0	6.8	1.5	1.9	45.3
	22-33	knots							1.8	0.3	1.0	1.8			4.9
	≥34	knots									0.4				0.4
	DIRECTION ONLY		9.0	0.7	0.4	4.6	5.1	7.4	11.3	13.1	15.6	14.0	5.3	7.5	
DEC	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	2.7
	4-10	knots	2.3	2.4	0.8	0.9	1.5	4.6	1.6	0.8	1.6	2.3	1.7	3.0	23.5
	11-21	knots	1.6		0.3		0.7	7.4	3.6	15.3	13.7	8.2	5.6	4.6	61.0
	22-33	knots						0.1		1.7	3.4	3.9	2.6	0.8	12.5
	≥34	knots									0.3				0.3
	DIRECTION ONLY		3.9	2.4	1.1	0.9	2.2	12.1	5.2	17.9	18.7	14.7	9.9	8.3	
YEAR	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	6.2
	4-10	knots	2.9	3.7	3.0	2.9	2.7	3.8	2.8	4.4	3.9	4.7	3.6	4.3	42.8
	11-21	knots	1.4	2.2	3.4	1.3	1.0	1.8	2.6	7.1	10.1	9.0	3.9	2.8	46.6
	22-33	knots		0.1	0.2			0.3	0.2	0.5	1.0	1.4	0.4	0.2	4.3
	≥34	knots										0.2			0.2
	DIRECTION ONLY		5.2	6.9	7.0	4.6	4.0	6.5	5.8	12.2	15.4	15.8	8.4	7.9	

GUERNSEY AIRPORT MET OFFICE 2012

Days and Number of Hours with FOG (Vis <1000m) During Flying Hours

0520-2120 Local Time

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	4.5		11.5			3.5							
2			5.5			0.5	4.0					0.5	
3							2.0						
4							0.5		0.5				
5						1.0							
6						0.5	1.0						
7			0.5			1.0							
8					1.5		0.5			14.5			
9					1.0				0.5	9.5			
10					2.5	10.0							
11			4.5							0.5			
12			2.5										
13			7.0										
14												1.0	
15											3.5		
16													
17							7.5						
18	15.0				1.0		2.0	6.0					
19								11.5				5.0	
20							0.5				0.5		
21						1.0							
22					2.5				0.5	12.0		7.0	
23		16.5			1.0					3.0			
24		16.0				0.5							
25		6.5	2.0							0.5			
26						8.0							
27		4.5				2.5							
28						1.0						2.0	
29					4.0								
30					3.0								
31			2.0										
Tot Hrs	19.5	43.5	35.5	0.0	16.5	29.5	18.0	17.5	1.5	40.0	4.0	15.5	241.0
Tot Days	2	4	8	0	8	11	8	2	3	6	2	5	59

Averages for Period 1991-2010

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Hours	18.3	20.8	28.9	20.0	22.5	21.1	27.6	21.1	10.2	6.3	7.5	9.4	213.5
Days	4.5	5.0	7.6	6.2	6.8	7.1	8.4	7.5	3.4	2.8	2.7	3.4	65.1

GUERNSEY AIRPORT MET OFFICE 2012

Days and Number of Hours with RVR<600m During Flying Hours

0520-2120 Local Time

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	3.5		10.0										
2			3.5				1.0						
3													
4							0.5						
5						0.5							
6							1.0						
7													
8										12.5			
9									0.5	9.0			
10					0.5	6.5							
11			4.0							0.5			
12			1.0										
13			6.0										
14													
15											2.5		
16													
17							1.5						
18	7.5						1.0	4.0					
19								6.5				3.0	
20													
21						0.5							
22										6.0		3.5	
23		15.0								1.0			
24		14.5											
25		6.5											
26						4.5							
27		0.5				2.0							
28												1.0	
29					2.5								
30					2.5								
31			0.5										
Tot Hrs	11.0	36.5	25.0	0.0	5.5	14.0	5.0	10.5	0.5	29.0	2.5	7.5	147.0
Tot Days	2	4	6	0	3	5	5	2	1	5	1	3	37

Averages for Period 1991-2010

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Hours	9.2	8.8	12.6	9.9	11.4	9.5	12.3	9.2	3.6	1.6	2.7	3.5	94.2
Days	2.7	2.4	4.3	3.7	4.1	4.1	5.1	4.7	1.5	1.1	1.3	1.6	36.3

REPORT FOR ROCQUAINE

MONTH	TEMPERATURE °C						RAINFALL mm			MEAN RH% AT 9 a.m.	CLOUD OKTAS AT 9a.m.
	MEAN MAXIMUM	HIGHEST MAXIMUM	DATE	MEAN MINIMUM	LOWEST MINIMUM	DATE	TOTAL	WETTEST DAY	DATE		
JAN	10.8	13.2	3rd	7.5	0.2	16th	41.2	22.5	1st	81.1	6.1
FEB	8.8	12.6	28,29	4.6	-3.0	11th	21.5	9.6	4th	80.5	6.2
MAR	13.1	20.9	24th	7.2	3.5	12th	30.6	13.8	4th	85.5	4.6
APR	12.6	16.5	30th	7.2	3.3	16th	115.5	19.0	17th	80.5	5.0
MAY	15.8	23.9	25th	10.0	6.8	13th	60.6	13.2	9th	84.6	5.0
JUN	17.6	24.0	2nd	12.5	9.8	5th	117.6	17.1	20th	88.6	6.2
JUL	19.0	27.8	26th	13.6	11.0	22nd	58.7	17.1	6th	85.8	5.5
AUG	20.7	27.5	17th	15.3	12.7	31st	45.7	11.8	24th	86.1	5.5
SEP	17.9	23.5	8th	13.1	10.2	21st	70.1	31.9	23rd	81.9	5.5
OCT	15.5	18.1	5,10	11.8	6.1	27th	135.2	18.4	7th	85.4	6.5
NOV	12.2	15.2	13th	8.6	4.4	30th	118.5	14.1	2nd	80.6	5.7
DEC	11.3	13.9	24th	7.5	1.8	13th	143.9	22.1	21st	82.6	6.2
YEAR	14.7	27.8	26-Jul	10.0	-3.0	11-Feb	959.1	31.9	23-Sep	83.9	5.7

REPORT FOR LIHOU

MONTH	TEMPERATURE °C						RAINFALL mm		
	MEAN MAXIMUM	HIGHEST MAXIMUM	DATE	MEAN MINIMUM	LOWEST MINIMUM	DATE	TOTAL	WETTEST DAY	DATE
JAN	10.1	12.5	3rd	7.9	2.8	15th,16th	47.8	24.9	1st
FEB	8.3	12.7	29th	5.5	-0.6	11th	21.1	7.6	4th
MAR	11.3	19.3	24th	7.7	4.5	12th	26.5	19.1	4th
APR	11.2	15.0	30th	7.5	5.5	2nd	125.6	20.9	28th
MAY	14.0	20.1	26th	10.2	7.7	5th	57.1	11.5	10th
JUN	16.2	20.6	2nd	12.1	9.8	4th	103.9	21.7	20th
JUL	17.2	20.1	24th	13.4	11.8	29th	64.1	23.1	7th
AUG	19.4	26.6	17th	15.2	12.4	29th	45.8	12.9	24th
SEP	17.0	21.9	8th	13.6	11.3	24th	71.2	39.8	23rd
OCT	14.9	18.1	10th	11.8	6.6	27th	125.8	17.3	6th
NOV	11.8	14.7	13th	8.9	5.7	30th	114.2	16.9	20th
DEC	10.7	13.1	24th	7.6	2.1	13th	142.9	19.7	19th
YEAR	13.5	26.6	17-Aug	10.1	-0.6	11-Feb	946.0	39.8	23-Sep

REPORT FOR SARK

MONTH	TEMPERATURE °C						RAINFALL mm			SUNSHINE HRS
	MEAN MAXIMUM	HIGHEST MAXIMUM	DATE	MEAN MINIMUM	LOWEST MINIMUM	DATE	TOTAL	WETTEST DAY	DATE	
JAN	10.3	13.5	11th	7.2	2.6	31st	71.6	20.9	1st	66.3
FEB	8.5	13.0	23rd	4.5	-1.0	11th	22.3	10.0	4th	74.3
MAR	12.7	20.1	17th	7.4	5.0	12th	17.0	6.7	3rd	191.6
APR	12.6	16.1	28th	6.8	5.1	4th	87.7	11.0	9th	240.5
MAY	15.6	23.7	24th	9.7	7.0	5th,6th	53.9	14.5	9th	240.8
JUN	17.3	23.0	4th	11.7	9.0	5th	96.5	11.1	5th	178.9
JUL	19.0	26.5	26th	13.2	11.0	1st	74.1	14.3	26th	231.2
AUG	21.0	26.0	10th	14.9	12.7	30th,31st	39.5	13.7	24th	229.6
SEP	18.8	25.2	5th	12.9	10.3	26th	92.7	27.2	23rd	167.7
OCT	15.1	17.7	9th	11.0	5.3	27th	196.4	23.6	2nd	74.9
NOV	11.8	14.0	4th	7.9	5.0	30th	123.0	18.9	24th	77.3
DEC	10.5	13.1	27th	6.7	1.6	13th	194.4	22.1	21st	42.3
YEAR	14.6	26.5	26-Jul	9.5	-1.0	11-Feb	1069.1	27.2	23-Sep	1815.4

REPORT FOR ALDERNEY - No Temperature data from April due to data logging problems

MONTH	TEMPERATURE °C						RAINFALL mm		
	MEAN MAXIMUM	HIGHEST MAXIMUM	DATE	MEAN MINIMUM	LOWEST MINIMUM	DATE	TOTAL	WETTEST DAY	DATE
JAN	9.6	12.3	3rd	6.9	2.7	31st	53.3	26.4	1st
FEB	7.3	10.7	29th	4.3	-1.1	11th	18.8	8.2	4th
MAR	10.7	15.3	24th	6.8	3.9	12th	26.2	20.0	4th
APR	10.6	13.9	30th	6.4	3.8	16th	103.8	24.0	28th
MAY							38.5	15.0	9th
JUN							96.6	17.0	7th
JUL							100.3	33.4	7th
AUG							58.9	18.4	24th
SEP							88.3	44.2	23rd
OCT							191.6	34.0	8th
NOV							115.1	16.6	4th
DEC							139.7	25.6	22nd
YEAR							1031.1	44.2	23-Sep

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT JANUARY 2012

DAY	DATE	BAROMETER	TEMPERATURE deg C						WIND				RAIN	SUN	WEATHER		
			AIR		GRASS	SOIL		DIR'N	SPEED(knots)								
			at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN				MAX	mm
SUN	1	1010.6	12.0	<u>10.0</u>	<u>11.0</u>	<u>11.2</u>	<u>10.3</u>	10.2	220	13	15.4	33	<u>22.0</u>	NIL	Rain, drzl & fog. Hvy rain late am & early pm. Shwrs later		
B.HOL	2	1011.5	10.2	5.6	7.9	3.9	<u>10.0</u>	10.3	230	13	18.7	37	2.9	3.8	Fair, ocnl cloudy. Shwrs. Hvy shwr late		
TUE	3	<u>1008.0</u>	<u>12.3</u>	7.8	10.1	5.9	9.6	10.3	220	29	27.1	53	2.3	1.0	rain or drzl early. Slit rain late am. Gale midday. Tempo fair pm		
WED	4	1026.8	10.6	7.4	9.0	5.7	9.4	10.3	280	19	24.9	<u>57</u>	0.5	1.8	Fair to cloudy am. Cloudy pm. Slit rain. Gales later		
THU	5	1011.3	11.6	<u>9.3</u>	<u>10.5</u>	8.5	9.5	<u>10.4</u>	270	<u>34</u>	<u>28.8</u>	52	TR	0.4	Slit rain/drzl. Gales am. Shwrs early pm. Bec fair		
FRI	6	1029.6	10.3	7.9	9.1	4.8	9.1	10.3	310	11	14.0	32	0.7	2.5	Fair or fine am. Cloudy pm. Drzl evng		
SAT	7	1026.8	11.7	8.8	10.3	8.5	9.3	10.2	280	17	17.0	30	TR	1.1	Cloudy, ocnl drzl am		
SUN	8	1030.3	10.6	8.6	9.6	6.5	9.5	10.3	310	11	10.8	28	0.1	0.2	Cloudy. Slit drzl early. Tempo slit drzl/rain pm. Mist evng		
MON	9	1033.5	11.1	8.5	9.8	9.3	9.6	10.2	280	10	8.5	17	NIL	NIL	Cloudy. Mist early. Bec fine evng, dew. Cloudy later		
TUE	10	1036.6	11.1	8.3	9.7	6.0	9.7	10.3	260	07	5.5	16	NIL	0.1	Cloudy		
WED	11	<u>1037.1</u>	11.5	6.5	9.0	3.7	9.5	10.2	220	<u>04</u>	4.5	11	NIL	7.0	Cloudy bec fine. Dew evng. Cloudy later		
THU	12	1032.6	11.0	6.0	8.5	2.2	8.7	10.1	270	12	9.9	23	TR	2.1	Cldy bec fine, dew then fair. Mainly cloudy pm. Slit drzl early pm		
FRI	13	1033.3	10.2	6.0	8.1	1.8	9.0	10.1	030	05	8.0	18	NIL	3.0	Mainly cloudy am bec fair or fine pm		
SAT	14	1029.0	6.7	3.7	5.2	2.2	8.5	10.2	110	10	11.8	25	NIL	6.9	Fair, tempo cloudy mid am bec fine		
SUN	15	1020.9	4.7	2.1	3.4	0.1	7.6	10.0	120	12	11.7	22	NIL	<u>7.8</u>	Fine		
MON	16	1021.8	5.3	<u>0.7</u>	<u>3.0</u>	<u>-2.1</u>	6.7	9.9	090	08	8.3	17	NIL	<u>7.8</u>	Fine, slit hoar frost		
TUE	17	1027.8	7.6	3.3	5.5	-1.0	<u>6.4</u>	9.7	190	06	6.8	17	0.8	0.5	Fine bec fair. Slit dew. Bec cloudy. Ocnl fair evng		
WED	18	1027.3	11.2	6.4	8.8	3.2	6.9	9.3	200	12	14.0	28	0.8	NIL	Cloudy. Ocnl drzl. Fog, tempo thick fog midday		
THU	19	1025.0	11.5	8.9	10.2	<u>10.0</u>	8.2	<u>9.2</u>	250	21	21.0	36	0.5	NIL	Cloudy, fog early. Drzl late am & early pm, mist		
FRI	20	1028.0	10.2	8.2	9.2	6.2	8.4	9.3	270	21	20.9	36	0.5	0.1	Cloudy, slit shwr early. Drzl & mist late evng		
SAT	21	1020.5	11.0	9.2	10.1	8.2	8.9	9.4	270	23	23.1	39	0.2	0.3	Cloudy. Ocnl drzl & mist. Tempo mod drzl am		
SUN	22	1020.4	10.3	8.2	9.3	7.4	9.0	9.5	270	21	17.0	33	TR	0.9	Cloudy, tempo drzl/rain am. Tempo fair		
MON	23	1022.4	10.3	7.0	8.7	3.5	8.7	9.5	320	10	10.3	27	0.3	4.2	Fair bec cloudy. Fair again. Bec cloudy evng. Drzl/rain later		
TUE	24	1023.2	10.2	6.7	8.5	4.7	8.8	9.6	250	13	14.1	34	1.9	NIL	Cloudy. Ocnl drzl/rain. Mist		
WED	25	1019.0	9.8	8.3	9.1	8.2	9.0	9.5	230	09	12.2	28	2.9	NIL	Cloudy, drzl to mid am & late evng		
THU	26	1010.8	9.7	5.1	7.4	4.9	8.9	9.7	240	16	15.7	39	3.3	5.2	Cloudy, rain early bec fair. Shwrs, tempo small hail		
FRI	27	1022.8	9.5	5.5	7.5	2.8	8.3	9.7	270	09	11.4	26	1.0	5.9	Fair or fine. Shwr late am. Ocnl cldy pm, shwrs. Small hail evng		
SAT	28	1028.3	7.1	4.9	6.0	2.4	8.1	9.5	360	13	11.0	27	NIL	0.1	Fair bec cloudy. Slit shwr mid am		
SUN	29	1031.5	7.3	4.0	5.7	1.1	7.7	9.5	010	<u>04</u>	<u>4.4</u>	11	<u>5.4</u>	0.4	Cloudy, ocnl fair am. Slit shwrs evng bec rain, tempo mod rain		
MON	30	1023.1	4.5	2.9	3.7	4.0	7.6	9.4	120	13	10.6	20	0.5	NIL	Cloudy, rain am. Drzl/rain pm		
TUE	31	1023.1	<u>4.4</u>	1.7	3.1	-0.4	7.1	<u>9.2</u>	120	08	9.2	18	TR	1.5	Fair bec cloudy. Ocnl fair late am		
MEAN		1024.3	9.5	6.4	8.0	4.6	8.6	9.8	W	13.4	13.8	TOTAL	46.6	64.6			
30 YEAR AVE. 1981-2010		1017.9	8.7	5.0	6.9	2.8	6.9	8.2	SW	14.0	14.2	////	92.5	61.0			
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2mm	WET ≥1.0mm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		17	8	0	3	0	0	0	3	3	2	3	7				
RECORDS FROM JANUARY 1947														RAINFALL	46.6 mm	SUNSHINE	64.6 hrs
WETTEST DAY DAY/YEAR	35.8mm 11th/2001	DRIEST MONTH YEAR	15.4mm 1992	LOWEST MIN DAY/YEAR	-7.8°C 20th/1963	WARMEST MNTH YEAR	9.0°C 2007	SUNNIEST MNTH YEAR	112.8hrs 1998	RAIN DAYS	17	SUNLESS DAYS	7	WET DAYS	8		
WETTEST MNTH YEAR	210.0mm 2001	HIGHEST MAX DAY/YEAR	13.3°C 4th/'48,9th/'07	LOWEST GRASS DAY/YEAR	-10.0°C 29th/1947	COLDEST MONTH YEAR	1.5°C 1963	DULLEST MNTH YEAR	26.0hrs 1966								

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT FEBRUARY 2012

DAY	DATE	BAROMETER	TEMPERATURE deg C						WIND				RAIN	SUN	WEATHER		
			AIR		GRASS	SOIL		DIR'N	SPEED(knots)								
			at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN				MAX	mm
WED	1	1027.7	4.6	1.8	3.2	0.5	6.8	<u>9.2</u>	050	<u>20</u>	<u>19.2</u>	36	TR	4.3	Cloudy, slt drzl early. Fair midday. Dry air evng		
THU	2	1032.4	3.1	1.1	2.1	-0.3	6.1	<u>8.9</u>	050	18	<u>17.5</u>	31	NIL	3.3	Fair bec cloudy. Slt snow early. Bec fair pm. Ocnl dry air		
FRI	3	1038.5	<u>2.2</u>	0.4	1.3	-2.5	5.6	8.7	050	04	6.9	24	NIL	1.0	Fair early bec mainly cloudy		
SAT	4	1039.0	4.5	-2.1	1.2	-3.1	5.4	8.6	080	<u>02</u>	7.1	27	<u>13.3</u>	3.0	Fair or fine, slt frost. Bec cldy late am. Rain by evng bec mod rain		
SUN	5	1026.4	8.8	3.4	6.1	2.2	5.8	8.4	360	<u>19</u>	12.5	<u>39</u>	TR	3.6	Mod rain/drzl early. Tempo fog early. Bec fair to cloudy		
MON	6	1032.6	8.1	3.4	5.8	-0.9	6.1	8.1	360	04	4.9	19	1.4	NIL	Cloudy, slt rain mid am. Rain late		
TUE	7	1037.7	6.0	2.0	4.0	-0.9	6.3	8.1	090	07	10.5	27	TR	6.2	Rain early bec fair. Tempo cloudy, slt shwrs am		
WED	8	1038.6	3.0	-0.2	1.4	-2.1	5.9	8.1	040	13	13.2	26	NIL	NIL	Cloudy, slt snow shwrs early		
THU	9	<u>1039.4</u>	3.6	1.4	2.5	1.5	5.7	8.0	020	05	4.9	17	1.6	0.1	Cloudy, tempo fair evng		
FRI	10	1036.3	3.7	-1.8	1.0	-1.4	5.8	7.9	130	07	7.8	17	TR	NIL	Rain/sleet, tempo snow. Tempo slt snow late am. Bec fine evng		
SAT	11	1035.3	3.3	<u>-3.3</u>	<u>0.0</u>	-5.0	5.1	7.9	070	08	7.4	18	NIL	5.4	Fine bec fair, tempo cloudy. Frost		
SUN	12	1036.1	6.7	-0.3	3.2	<u>-5.3</u>	<u>4.6</u>	7.7	350	06	7.1	20	6.2	0.7	Fine, slt hoar frost bec cloudy, Slt drzl/rain midday. Rain/drzl late		
MON	13	1032.8	7.5	4.6	6.1	<u>0.7</u>	5.0	7.5	360	06	9.8	31	TR	NIL	Rain early, tempo hvy rain. Cloudy. Slt shwrs		
TUE	14	1028.8	8.1	5.9	7.0	3.8	5.7	<u>7.4</u>	010	12	13.9	30	NIL	2.5	Cloudy, ocnl fair		
WED	15	1029.7	9.8	7.1	8.5	4.6	6.3	7.5	330	13	13.1	28	NIL	1.6	Cloudy. Tempo fine pm		
THU	16	1032.1	9.0	7.1	8.1	5.0	6.7	7.6	320	09	9.8	20	TR	0.1	Cloudy. Tempo fine late evng		
FRI	17	1028.3	9.6	7.2	8.4	3.7	7.0	7.7	280	12	11.6	19	0.6	NIL	Cloudy, slt drzl or rain late am. Mist pm		
SAT	18	<u>1018.9</u>	9.6	6.2	7.9	6.6	7.4	7.8	240	17	16.0	36	1.9	0.9	Cloudy, drzl/rain. Tempo mod rain. Mist. Drzl/rain evng. Fine later		
SUN	19	1026.6	7.5	4.1	5.8	1.1	7.1	7.9	320	14	10.2	23	TR	8.7	Fair or fine. Cloudy late		
MON	20	1034.9	8.4	3.1	5.8	-1.9	6.6	8.0	240	03	5.2	19	NIL	7.6	Cloudy bec fine, slt hoar frost then fair. Ocnl dry air		
TUE	21	1032.4	9.2	5.5	7.4	1.7	6.8	7.9	220	10	8.5	17	NIL	5.8	Cloudy bec fair late am. Fine evng		
WED	22	1030.0	8.9	5.4	7.2	1.5	6.8	7.9	210	11	13.9	31	2.7	0.6	Fine, dew bec fair then cldy. Rain pm bec drzl. Mist. Thick fog late		
THU	23	1027.5	10.2	<u>8.6</u>	9.4	7.3	7.6	8.0	280	17	15.4	30	0.8	NIL	Overcast. Fog & drzl. Ocnl thick fog		
FRI	24	1031.2	9.6	7.7	8.7	7.8	8.1	8.1	260	11	9.7	17	0.8	NIL	Overcast, thick fog & drzl am. Ocnl mist pm. Thick fog evng		
SAT	25	1029.7	9.5	7.7	8.6	<u>8.4</u>	8.5	8.2	310	10	6.0	13	TR	NIL	Thick fog & drzl. Ocnl mod drzl. Mist late am.. Drzl evng, mist		
SUN	26	1029.6	9.5	5.6	7.6	3.0	8.4	8.4	350	<u>02</u>	<u>3.6</u>	10	0.1	4.2	Cloudy, fog early. Tempo shallow fog. Ocnl fair		
MON	27	1028.5	9.3	6.8	8.1	5.4	8.5	8.5	230	09	8.0	16	0.5	NIL	Cloudy, ocnl drzl. Mist, ocnl fog		
TUE	28	1027.1	<u>12.1</u>	8.4	<u>10.3</u>	8.1	8.8	8.6	240	05	5.4	14	NIL	1.8	Cloudy, mist or fog early. Tempo fair early pm. Fog late		
WED	29	1025.9	10.9	5.4	8.2	3.8	<u>9.0</u>	8.7	160	07	5.6	13	NIL	<u>9.7</u>	Fair, ocnl cldy early. Fog patch early. Bec fine. Shallow fog late		
MEAN		1031.5	7.5	3.9	5.7	1.8	6.7	8.1	N	9.7	9.8	TOTAL	29.9	71.1			
30 YEAR AVE. 1981-2010		1018.0	8.4	4.6	6.5	2.2	6.6	7.6	SW	13.0	13.1	////	70.2	85.8			
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2mm	WET ≥1.0mm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		10	6	3	0	0	0	5	10	9	3	0	9				
RECORDS FROM JANUARY 1947														RAINFALL	76.5 mm	SUNSHINE	71.1 hrs
WETTEST DAY	59.0mm	DRIEST MONTH	4.8mm	LOWEST MIN	-7.2°C	WARMEST MNTH	9.0°C	SUNNIEST MNTH	143.9	RAIN DAYS	56.6	SUNLESS DAYS	73.6				
DAY/YEAR	18th/1978	YEAR	1965	DAY/YEAR	21st/48,7th/91	YEAR	1990	YEAR	2008	WET DAYS	23						
WETTEST MNTH	182.8mm	HIGHEST MAX	15.0°C	LOWEST GRASS	-11.1°C	COLDEST MNTH	1.5°C	DULLEST MNTH	36.1hrs								
YEAR	1978	DAY/YEAR	29th/1948	DAY/YEAR	12th/1978	YEAR	1986	YEAR	1976								

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT MARCH 2012

DAY	DATE	BAROMETER	TEMPERATURE deg C						WIND				RAIN	SUN	WEATHER		
			mb	AIR			GRASS	SOIL		DIR'N	SPEED(knots)						
				at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.				MEAN	MAX
THU	1	1026.8	10.7	4.8	7.8	-0.2	8.7	<u>8.8</u>	010	05	5.1	13	0.1	4.9	Fine, shallow fog bec fog. Fair, ocnl cloudy. Thick fog evng		
FRI	2	1026.1	12.8	4.7	8.8	5.0	8.8	<u>8.9</u>	080	04	<u>4.8</u>	14	TR	5.6	Thick fog bec fair. Fog patches pm		
SAT	3	1019.7	11.8	7.7	9.8	6.0	9.3	<u>8.9</u>	220	09	10.5	25	6.6	6.5	Cloudy, mist. Tempo drzl. Fine pm bec fair. Cloudy later, rain		
SUN	4	<u>1013.9</u>	8.8	5.3	7.1	5.9	9.4	9.1	150	13	17.8	<u>42</u>	<u>10.4</u>	3.9	Cloudy, rain. Ocnl mod rain, tempo hvy rain late am. Bec fair pm		
MON	5	1028.3	9.3	5.7	7.5	2.6	8.3	9.2	310	18	17.6	31	TR	6.7	Fine bec fair. Tempo cloudy pm, slt shwr		
TUE	6	1028.2	9.0	4.0	<u>6.5</u>	-0.3	<u>8.0</u>	9.2	330	10	7.2	20	NIL	9.6	Mainly fine am bec fair pm. Cloudy late		
WED	7	1020.2	10.5	4.5	<u>7.5</u>	0.5	<u>8.2</u>	9.0	210	<u>20</u>	<u>18.3</u>	37	1.7	3.6	Cloudy. Rain/drzl around midday, fog patch. Be fair then fine pm		
THU	8	1034.2	10.7	6.5	8.6	3.0	<u>8.0</u>	9.0	320	10	10.0	24	NIL	7.4	Fine bec fair. Ocnl cloudy evng bec fine, dew		
FRI	9	1038.3	9.3	5.4	7.4	0.1	8.2	9.0	230	08	7.6	16	NIL	NIL	Fair, dew bec cloudy		
SAT	10	<u>1039.4</u>	12.4	7.7	10.1	<u>7.6</u>	8.6	9.0	290	08	7.4	14	TR	5.0	Cldy, slt drzl late am. Bec fair or fine pm. Cloudy late evng, dew		
SUN	11	1039.2	10.6	5.6	8.1	3.4	9.0	9.0	030	09	5.3	16	TR	3.4	Cloudy, mist. Bec fog. Fog patches. Tempo fair pm. Fog evng		
MON	12	1035.4	11.6	<u>2.5</u>	7.1	1.4	9.0	9.1	110	<u>02</u>	4.9	13	TR	9.1	Thick fog early bec fine, shallow fog. Adj fog. Tempo fog evng		
TUE	13	1034.1	<u>7.9</u>	5.5	6.7	2.5	9.2	9.2	070	08	10.3	24	TR	2.3	Fine, mist bec thick fog. Cloudy, mist pm. Ocnl fine evng		
WED	14	1030.6	11.2	5.1	8.2	4.6	9.0	9.3	090	10	8.5	17	TR	5.9	Cloudy, mist then haze. Fine pm. Mist & dew evng. Haze later		
THU	15	1025.2	10.3	6.5	8.4	4.1	9.3	9.3	250	08	7.7	16	NIL	0.6	Fine, haze & dew. Bec cloudy		
FRI	16	1021.9	9.5	8.0	8.7	7.5	9.4	9.3	200	09	7.0	15	0.6	NIL	Cloudy, haze. Tempo mist am. Ocnl fine late, dew		
SAT	17	1015.2	9.2	6.2	7.7	5.8	9.5	9.4	230	05	8.3	18	1.6	NIL	Fair, dew bec cloudy. Ocnl rain/drzl am. Shwrs later. Ocnl fair		
SUN	18	1016.7	10.3	3.8	7.1	-0.4	9.0	9.4	320	06	7.6	18	0.3	7.8	Mainly fair. Shwrs early. Shwr pm		
MON	19	1034.6	10.5	4.1	7.3	<u>-0.6</u>	8.7	9.4	300	07	5.9	15	NIL	11.0	Fine, dew early & late		
TUE	20	1037.8	10.3	5.0	7.7	-0.5	8.7	9.4	230	04	5.0	13	0.1	2.5	Fine, dew. Shallow fog mid am. Bec cloudy by late am		
WED	21	1034.0	11.7	6.3	9.0	3.2	9.0	9.4	100	08	11.0	29	TR	8.8	Cloudy bec fine. Fair pm. Cloudy late evng		
THU	22	1025.0	13.6	9.3	11.5	7.0	9.5	9.4	110	09	8.4	23	0.2	0.2	Cloudy. Slt rain evng		
FRI	23	1026.9	15.7	6.5	11.1	3.2	9.6	9.5	150	05	7.0	20	NIL	9.4	Cloudy bec fine then fair. Fine evng		
SAT	24	1026.4	<u>18.6</u>	<u>9.4</u>	<u>14.0</u>	5.7	10.1	9.6	120	07	10.7	21	NIL	10.5	Fine. Ocnl haze. Dry air		
SUN	25	1030.9	<u>14.3</u>	<u>7.9</u>	<u>11.1</u>	5.4	10.4	9.7	050	09	10.3	23	NIL	7.6	Fine, haze & dew. Ocnl cloudy pm, fog. Haze evng		
MON	26	1032.9	15.2	7.8	11.5	6.1	10.5	9.8	070	11	12.3	22	NIL	9.2	Fine, haze & dew. Tempo mist. Bec fair. Fine evng		
TUE	27	1033.7	14.8	8.0	11.4	4.6	10.4	10.0	070	12	12.0	21	NIL	11.2	Fine. Bec haze		
WED	28	1032.8	15.5	7.3	11.4	5.3	10.6	10.0	050	09	8.6	21	NIL	11.2	Fine, haze early & late		
THU	29	1029.7	15.5	7.3	11.4	3.0	10.6	10.1	360	08	6.2	15	NIL	<u>11.3</u>	Fine, haze early		
FRI	30	1026.0	14.7	7.2	11.0	2.4	<u>10.7</u>	<u>10.2</u>	030	08	5.2	17	TR	10.6	Fair. Haze evng bec mist. Shallow fog late, dew		
SAT	31	1019.4	10.7	6.4	8.6	0.7	<u>10.6</u>	<u>10.2</u>	050	10	9.9	22	NIL	4.6	Fair or fine, mist. Bec fog then cloudy, ocnl fair		
MEAN		1028.5	11.8	6.2	9.0	3.4	9.3	9.4	E	8.7	9.0	TOTAL	21.6	190.4			
30 YEAR AVE. 1981-2010		1017.0	10.0	5.6	7.8	2.9	7.8	8.0	W	12.4	12.3	////	67.0	127.6			
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2mm	WET ≥1.0mm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		7	4	0	0	0	0	0	5	8	3	0	3				
RECORDS FROM JANUARY 1947														RAINFALL	98.1 mm	SUNSHINE	190.4 hrs
WETTEST DAY DAY/YEAR	30.0mm 28th/1960	DRIEST MONTH YEAR	2.7mm 1961	LOWEST MIN DAY/YEAR	-2.2°C 10th/11th/1958	WARMEST MNTH YEAR	10.3°C 1957	SUNNIEST MNTH YEAR	214.8 2009	RAINFALL	83.5	SUNLESS DAYS	138.7	WET DAYS	31		
WETTEST MNTH YEAR	179.6mm 2001	HIGHEST MAX DAY/YEAR	19.4°C 29th/1965	LOWEST GRASS DAY/YEAR	-9.4°C 3rd/1965	COLDEST MNTH YEAR	4.4°C 1962	DULLEST MNTH YEAR	67.4hrs 1964								

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT APRIL 2012

DAY	DATE	BAROMETER mb	TEMPERATURE deg C						WIND				RAIN mm	SUN hrs	WEATHER		
			AIR			GRASS	SOIL		DIR'N	SPEED(knots)							
			at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN				MAX	
SUN	1	1021.8	9.0	5.0	7.0	4.6	10.4	10.3	070	12	12.4	24	NIL	5.3	Cloudy bec fair then fine pm		
MON	2	1012.6	11.6	<u>3.2</u>	7.4	-1.1	9.9	10.3	060	06	5.5	14	NIL	11.6	Fine, dew early & late. Fair late		
TUE	3	1006.0	11.1	4.2	7.7	-1.1	9.8	10.3	320	10	9.8	23	0.1	7.6	Fair or fine, dew. Tempo shallow fog. Bec cloudy pm, tempo fair		
WED	4	1006.7	8.5	3.7	<u>6.1</u>	2.3	9.8	10.3	290	14	9.8	24	TR	9.5	Cloudy, slt rain early bec fair. Cloudy late		
THU	5	1014.9	10.8	3.7	7.3	1.3	<u>9.7</u>	10.2	060	15	16.8	33	TR	2.7	Cloudy, tempo fair. Bec haze.		
G.FRI	6	1017.7	<u>8.3</u>	4.7	6.5	2.7	<u>9.7</u>	10.3	020	13	12.1	32	NIL	10.6	Cloudy bec fair then fine. Bec fair pm. Ocn dry air		
SAT	7	1013.0	11.5	5.9	8.7	0.9	9.8	10.2	340	09	7.0	14	0.1	1.3	Fair early, dew bec cloudy. Slt rain late evng		
E.SUN	8	1017.4	12.8	7.1	10.0	2.7	10.1	<u>10.1</u>	260	08	11.5	27	0.7	4.7	Cloudy, ocnl rain am. Fair pm. Cloudy evng		
E.MON	9	1004.2	9.7	<u>8.7</u>	9.2	<u>8.2</u>	10.5	<u>10.1</u>	230	17	16.4	33	9.5	NIL	Drzl/rain early. Rain from 0815. Ocnl mod rain. Hvy rain later		
TUE	10	993.2	11.2	6.0	8.6	3.4	10.2	10.2	260	15	13.5	26	3.8	9.9	Cldy early, slt rain bec mainly fair. Tempo shwrs. Hvy shwr late		
WED	11	998.8	11.1	5.1	8.1	2.5	10.2	10.3	270	12	10.5	22	0.4	10.5	Hvy shwr early bec fair. Fine pm		
THU	12	1005.5	11.6	4.8	8.2	0.1	10.2	10.3	290	10	8.6	18	NIL	<u>12.7</u>	Fine, tempo fair am		
FRI	13	1006.2	11.0	5.5	8.3	1.2	10.4	10.3	290	07	<u>5.4</u>	14	NIL	10.7	Fine, dew bec fair		
SAT	14	1005.6	11.5	4.9	8.2	-0.4	10.2	10.4	060	08	7.8	22	NIL	9.8	Fine, dew bec cloudy then fair. Ocnl fine later		
SUN	15	1019.6	9.2	5.5	7.4	2.6	10.5	10.4	020	18	12.9	28	NIL	10.1	Fine bec fair. Dry air pm		
MON	16	<u>1027.6</u>	9.8	3.7	6.8	<u>-1.3</u>	9.9	10.5	090	<u>03</u>	6.3	24	4.3	9.0	Fair or fine, tempo cloudy. Bec cloudy evng		
TUE	17	1005.3	11.8	6.8	9.3	4.5	10.5	10.4	280	22	19.2	38	11.3	8.2	Rain/drzl. Tempo hvy rain. Bec fair. Shwrs		
WED	18	982.6	10.8	6.7	8.8	5.5	10.4	10.4	270	<u>28</u>	<u>23.5</u>	51	2.2	5.8	Shwrs. Ocnl hvy shwrs. Tempo small hail		
THU	19	989.6	11.5	7.0	9.3	3.9	10.4	10.4	290	17	17.1	30	0.5	11.6	Fair or fine. Cloudy evening. Slt shwr		
FRI	20	997.0	11.7	7.2	9.5	5.6	11.0	10.4	320	06	14.0	31	4.2	6.9	Fair bec cloudy, shwrs. Tempo small hail. Ocnl fair		
SAT	21	998.6	11.6	5.2	8.4	3.4	10.9	10.5	290	13	16.8	34	3.6	10.8	Shwrs. Tempo hvy shwr mid am. Tempo small hail. Bec fair		
SUN	22	1007.5	12.0	6.1	9.1	4.6	11.0	10.6	280	18	18.0	34	6.8	10.8	Shwrs. Tempo small hail. Lghtng. Bec fair		
MON	23	989.5	10.5	6.8	8.7	4.9	11.2	10.6	230	17	13.9	34	2.2	5.3	Rain, tempo hvy rain bec fair to cloudy. Shwrs		
TUE	24	1001.8	12.4	8.5	10.5	5.8	11.2	10.7	310	13	13.5	33	18.6	10.2	Slt shwr early, then mainly fair. Bec cloudy late evng. Rain later		
WED	25	<u>981.5</u>	11.7	6.9	9.3	6.9	11.7	10.7	210	19	21.8	44	3.4	5.6	Rain. Mod, tempo hvy rain mid am. Bec fair to cldy. Shwrs. T&L		
THU	26	995.5	13.8	8.2	11.0	7.0	11.3	10.8	210	20	16.5	34	TR	12.6	Shwrs early bec mainly fair		
FRI	27	1010.7	13.7	8.6	<u>11.1</u>	7.0	11.5	10.8	190	11	9.2	23	<u>25.7</u>	8.3	Fair or fine am. Bec cloudy by evng. Shwrs bec hvy rain later		
SAT	28	1013.5	10.5	7.6	9.1	<u>8.2</u>	<u>12.2</u>	10.9	050	09	13.6	40	13.7	NIL	Rain. Ocnl mod/hvy rain early. Slt rain. Mod rain late evng		
SUN	29	992.1	10.3	6.4	8.4	6.7	11.3	<u>11.0</u>	070	22	22.5	49	11.6	NIL	Rain. Ocnl mod rain, tempo drzl & rain. Tempo mist		
MON	30	1007.0	<u>14.5</u>	7.2	10.9	6.4	10.6	<u>11.0</u>	150	20	16.3	<u>54</u>	0.6	6.0	Rain early bec fair. Cloudy again evng		
MEAN		1004.8	11.2	6.0	8.6	3.6	10.6	10.5	W	13.7	13.4	TOTAL	123.3	228.1			
30 YEAR AVE. 1981-2010		1015.1	11.8	6.6	9.2	3.7	9.8	9.4	NE	11.8	11.4	////	53.1	194.7			
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2µµ	WET ≥1.0µµ	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		18	14	0	4	1	4	0	4	0	0	0	3				
RECORDS FROM JANUARY 1947														RAINFALL	221.4 mm	SUNSHINE	554.2 hrs
WETTEST DAY DAY/YEAR	27.9mm 3rd/2000	DRIEST MONTH YEAR	2.9mm 1980	LOWEST MIN DAY/YEAR	-1.4°C 11th/1986	WARMEST MNTH YEAR	12.0°C 2011	SUNNIEST MNTH YEAR	280.4hrs 1984	RAIN DAYS	52	SUNLESS DAYS	22	WET DAYS	32		
WETTEST MNTH YEAR	130.4mm 1966	HIGHEST MAX DAY/YEAR	24.3°C 16th/2003	LOWEST GRASS DAY/YEAR	-7.0°C 5th/1990	COLDEST MNTH YEAR	6.4°C 1986	DULLEST MNTH YEAR	122.2hrs 1981								

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT MAY 2012

DAY	DATE	BAROMETER	TEMPERATURE deg C						WIND				RAIN	SUN	WEATHER	
			AIR		GRASS	SOIL		DIR'N	SPEED(knots)							
			mb	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN				MAX
TUE	1	1014.7	14.7	8.0	11.4	6.5	11.6	<u>10.9</u>	170	12	8.0	20	TR	12.8	Cloudy, slt rain early bec fair or fine. Ocnl cloudy evng, slt shwr	
WED	2	1020.8	13.7	8.3	11.0	7.0	12.3	<u>10.9</u>	050	16	9.6	23	0.1	11.6	Fair or fine. Bec cloudy evng	
THU	3	1012.8	14.1	8.1	11.1	9.3	12.9	11.1	040	<u>01</u>	5.3	14	NIL	3.8	Cloudy, mist. Tempo slt rain early. Ocnl fair pm. Fine later, dew	
FRI	4	1005.3	11.7	8.3	10.0	8.2	12.9	11.2	050	13	10.5	21	8.7	0.5	Fair, dew bec cloudy. Bec rain pm. Ocnl mod rain	
SAT	5	1007.3	<u>8.7</u>	6.6	<u>7.7</u>	7.0	12.4	11.5	030	14	13.7	27	10.9	NIL	Cloudy, rain. Ocnl mod rain	
SUN	6	1012.8	10.0	5.9	8.0	6.0	<u>11.3</u>	11.5	020	09	7.7	16	0.9	3.0	Cloudy, slt rain early. Ocnl fair pm	
B.HOL	7	1013.7	14.4	6.4	10.4	4.2	11.7	11.5	190	13	7.4	19	3.0	3.0	Cloudy, rain mid am. Ocnl fair. Shwrs pm. Mod shwr evng	
TUE	8	1007.6	14.7	10.5	12.6	10.0	12.5	11.4	170	06	5.0	12	0.7	3.7	Clidy, slt rain early. Fog patches late am. Drzl & fog patches later	
LIB.D	9	1009.6	14.4	12.3	13.4	11.5	13.1	11.5	190	11	11.1	28	<u>14.4</u>	NIL	Drzl & fog early, tempo thick fog. Clidy. Slt rain pm. Mod rain later	
THU	10	1011.1	14.1	12.3	13.2	12.3	13.4	11.7	170	11	12.3	26	0.9	NIL	Mod rain, fog. Fog patches. Tempo drzl/rain. Mist	
FRI	11	1024.5	12.4	9.5	11.0	9.1	13.1	11.8	280	16	13.5	26	NIL	5.7	Cloudy, mist early. Ocnl fair. Bec fair pm	
SAT	12	<u>1039.3</u>	11.5	7.1	9.3	6.3	12.8	11.9	030	14	9.6	25	NIL	14.0	Fair bec fine	
SUN	13	<u>1034.5</u>	13.4	5.9	9.7	<u>0.2</u>	12.6	12.0	140	06	4.6	13	NIL	14.1	Fine, dew. Ocnl fair midday. Dew late	
MON	14	1021.1	12.6	<u>5.7</u>	9.2	2.7	12.9	12.1	240	12	12.0	24	3.3	8.5	Fine, dew early. Bec cloudy pm. Rain. Bec fine evng	
TUE	15	1018.9	11.2	7.2	9.2	6.4	12.5	12.1	310	<u>20</u>	<u>17.0</u>	<u>33</u>	NIL	12.5	Fair, ocnl cloudy, shwrs. Bec fine	
WED	16	1028.5	13.5	6.0	9.8	1.9	12.1	12.1	180	05	5.6	17	0.5	13.5	Fine, ocnl dry air. Bec fair evng	
THU	17	1016.7	13.1	6.9	10.0	6.4	13.1	12.1	110	10	13.2	32	1.6	6.6	Cloudy, rain mid am. Bec fair pm. Fine later	
FRI	18	<u>1001.9</u>	13.0	9.4	11.2	7.2	12.9	12.2	180	09	9.9	28	0.5	1.4	Fair bec cloudy. Rain/drzl & fog mid am. Mist. Tempo fair pm	
SAT	19	1010.3	13.1	9.7	11.4	6.2	12.6	12.2	150	04	5.1	14	1.2	3.2	Cloudy, ocnl fair early, dew. Cloudy pm, rain by evng	
SUN	20	1009.8	10.3	9.1	9.7	9.3	13.0	12.2	020	12	9.8	21	8.6	NIL	Cloudy, drzl mid am bec rain. Mod rain early pm. Tempo hvy rain	
MON	21	1010.4	13.3	9.3	11.3	9.1	12.3	12.1	340	13	13.3	23	NIL	7.0	Cloudy, slt rain early. Fair pm. Fine later	
TUE	22	1017.5	15.1	9.4	12.3	7.2	13.0	12.2	300	15	14.3	24	NIL	13.0	Fine. Tempo cldy early pm. Tempo fog bec fine. Ocnl cldy evng	
WED	23	1025.3	15.2	10.4	12.8	8.8	14.1	12.3	300	12	11.2	22	TR	14.2	Fine, dew. Tempo cloudy early pm, fog. Bec fine. Dew later	
THU	24	1026.8	20.1	9.6	14.9	7.7	14.4	12.4	360	07	7.8	18	NIL	13.8	Fine, mist & dew. Tempo shallow fog. Bec haze. Mist later	
FRI	25	1019.6	<u>20.5</u>	<u>13.7</u>	<u>17.1</u>	<u>13.0</u>	15.8	12.6	050	12	14.5	28	NIL	13.8	Fine, mist early bec haze. Fine evng	
SAT	26	1015.0	20.1	12.0	16.1	12.1	16.3	13.0	070	16	15.3	27	10.4	14.0	Fine bec fair evng. Cloudy later. T&L late. Hvy shwrs	
SUN	27	1019.9	17.2	11.6	14.4	11.6	16.5	13.2	280	09	6.5	17	NIL	11.6	Hvy rain early. Cloudy bec fair. Dew late evng	
MON	28	1020.3	18.9	11.2	15.1	9.0	16.8	13.6	190	06	5.4	14	NIL	<u>14.7</u>	Fair or fine, dew early & late	
TUE	29	1019.8	17.9	11.4	14.7	9.2	17.1	13.9	330	<u>01</u>	<u>3.5</u>	09	NIL	8.3	Fine, dew. Shallow fog early. Bec cloudy, fog. Fair late am	
WED	30	1019.6	16.2	12.5	14.4	10.5	<u>17.4</u>	14.1	260	07	9.3	20	TR	5.0	Fair or fine bec cloudy. Ocnl fog am. Tempo slt rain. Ocnl fair pm	
THU	31	1023.4	15.1	11.5	13.3	10.2	<u>16.8</u>	<u>14.4</u>	270	11	11.8	23	NIL	3.3	Cloudy. Ocnl fair pm	
MEAN		1017.4	14.3	9.2	11.8	7.9	13.6	12.2	S	10.4	9.8	TOTAL	65.7	236.6		
30 YEAR AVE. 1981-2010		1016.0	14.9	9.2	12.0	6.7	13.0	11.8	NE	11.4	10.9	////	50.9	234.5		
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2µµ	WET ≥1.0µµ	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE		
		14	9	0	0	1	1	0	0	8	1	0	4			
RECORDS FROM JANUARY 1947													RAINFALL	287.1 mm	SUNSHINE	790.8 hrs
WETTEST DAY DAY/YEAR	40.4mm 24th/1950	DRIEST MONTH YEAR	4.1mm 1989	LOWEST MIN DAY/YEAR	0.1°C 2nd/1979	WARMEST MNTH YEAR	13.9°C 1989	SUNNIEST MNTH YEAR	336.4hrs 1989	RAIN DAYS	66	SUNLESS DAYS	26	WET DAYS	41	
WETTEST MNTH YEAR	128.7mm 1994	HIGHEST MAX DAY/YEAR	25.9 30th/2003	LOWEST GRASS DAY/YEAR	-5.6°C 5th/1979	COLDEST MNTH YEAR	9.9°C 1984	DULLEST MNTH YEAR	136.9hrs 1981							

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT JUNE 2012

DAY	DATE	BAROMETER	TEMPERATURE deg C						WIND				RAIN	SUN	WEATHER		
			AIR		GRASS	SOIL		DIR'N	SPEED(knots)								
			at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN				MAX	mm
FRI	1	1021.5	18.0	11.9	15.0	11.3	16.7	<u>14.4</u>	250	<u>02</u>	5.8	16	NIL	5.9	Cloudy, fog bec fog patches. Bec fine pm. Adj fog		
SAT	2	1012.2	<u>21.5</u>	12.8	17.2	12.1	16.9	14.5	110	09	9.5	27	8.0	5.2	Fair. Cloudy pm. Slr rain. Violent shwr evng. Fog late evng		
SUN	3	1010.0	15.1	11.6	13.4	11.7	17.2	14.6	250	17	16.6	30	TR	6.2	Fog patch early. Slr drzl. Ocnl fair. Drzl evng		
B.HOL	4	1015.8	<u>12.8</u>	8.8	10.8	10.9	16.5	14.8	330	11	9.5	28	0.8	6.7	Cloudy, slt drzl early. Bec fine pm. Fair evng. Cloudy late		
B.HOL	5	1015.1	13.3	<u>8.0</u>	<u>10.7</u>	7.4	16.0	14.7	150	10	10.0	25	5.3	0.1	Ocnl slt rain. Mod rain late am. Mod rain pm, tempo hvy rain. Fog		
WED	6	1004.9	15.1	11.3	13.2	10.8	15.6	14.8	180	13	10.7	26	11.0	4.4	Cloudy. Rain, tempo hvy rain midday. Fog patches. Bec fair		
THU	7	<u>995.7</u>	16.1	12.2	14.2	12.1	15.6	14.7	140	15	16.0	37	6.6	6.3	Cloudy, rain. Tempo hvy rain late am. Fog patches. Bec fine pm		
FRI	8	1004.9	14.3	10.7	12.5	10.9	15.3	14.6	240	<u>23</u>	<u>21.4</u>	38	0.3	7.9	Fair bec cloudy. Ocnl fair. Slr shwr pm		
SAT	9	1015.1	15.4	9.6	12.5	8.6	<u>15.0</u>	14.6	240	13	10.4	26	9.2	9.0	Fair bec cldy then mainly fair. Bec cldy evng. Slr rain late evng		
SUN	10	1005.1	14.5	11.3	12.9	11.7	15.7	14.6	100	07	9.8	24	6.2	NIL	Rain, ocnl mod. Rain/drzl. Fog late am. Ocnl thick fog. Hvy rain		
MON	11	1004.2	15.2	10.6	12.9	9.4	15.6	14.5	280	10	8.8	20	1.6	11.8	Slr drzl early. Cldy bec mainly fair. Bec fine pm. Ocnl cldy evng		
TUE	12	1010.1	14.6	10.4	12.5	10.0	15.9	14.5	330	13	8.5	23	<u>19.2</u>	2.1	Mainly cloudy. Rain early. Hvy rain late		
WED	13	1015.7	16.6	10.5	13.6	10.4	15.9	14.6	280	06	<u>4.1</u>	11	NIL	8.9	Hvy rain early. Cloudy bec fair late am		
THU	14	1014.3	14.8	9.9	12.3	8.6	16.2	14.6	160	12	9.8	29	2.1	0.3	Cloudy. Slr rain late am. Ocnl mod rain pm		
FRI	15	1009.1	16.2	12.3	14.3	11.0	15.7	14.8	200	14	12.1	26	TR	5.2	Cloudy, ocnl fair am. Slr rain early pm. Fine by evng		
SAT	16	1011.7	15.9	11.6	13.8	10.5	15.7	14.8	210	14	16.9	35	0.9	7.3	Fair, ocnl cloudy. Slr shwrs. Cloudy evng. Shwrs		
SUN	17	1020.3	15.2	10.9	13.1	9.9	15.5	14.7	220	08	6.8	25	4.7	1.0	Fair bec cloudy. Rain/drzl mid am. Rain evng. Mod rain late		
MON	18	1019.4	15.4	9.4	12.4	8.4	15.5	14.7	270	07	5.5	15	NIL	11.6	Mod rain early bec fair or fine		
TUE	19	1019.9	17.3	9.9	13.6	<u>6.0</u>	15.9	14.7	060	07	6.0	17	NIL	<u>14.4</u>	Fine, dew bec fair. Fine pm. Cloudy later		
WED	20	1016.3	19.7	11.9	15.8	10.5	16.6	14.7	090	09	10.7	26	15.4	4.6	Cloudy bec fair. Cloudy pm. Slr shwrs. Hvy rain, T&L late evng		
THU	21	1005.9	14.8	11.0	12.9	11.9	16.6	14.9	210	06	13.7	<u>47</u>	2.9	0.6	Cldy. Thick fog mid am. Shwrs then rain. Mod rain. Shwrs evng		
FRI	22	1016.0	15.6	12.1	13.9	11.2	15.6	14.9	230	18	17.8	31	NIL	10.3	Cloudy bec fair. Ocnl cloudy am. Cloudy later		
SAT	23	<u>1024.3</u>	16.1	11.6	13.9	10.9	15.8	14.9	240	13	10.6	27	6.0	7.8	Cloudy, ocnl fair. Slr rain late		
SUN	24	1016.2	14.8	12.1	13.5	12.2	16.5	14.9	250	12	13.0	30	3.1	1.8	Cloudy, rain/drzl am. Mist, fog early. Tempo fair pm		
MON	25	1020.4	15.4	11.0	13.2	9.1	16.1	15.0	210	04	5.6	15	3.7	3.0	Cloudy. Ocnl fair late. Rain/drzl pm. Mod rain later. Mist then fog		
TUE	26	1022.0	17.4	13.3	15.4	13.4	16.5	15.0	260	13	10.5	21	TR	0.1	Fog, ocnl thick fog & drzl am. Fog patches pm. Fog later		
WED	27	1020.7	20.0	13.6	16.8	14.2	17.0	15.1	140	03	6.6	27	0.1	0.9	Ocnl fog & drzl. Bec fog patches. Slr rain late		
THU	28	1004.3	20.5	<u>14.7</u>	<u>17.6</u>	<u>16.0</u>	<u>17.5</u>	15.2	250	17	12.9	30	0.0	8.2	Cloudy. Slr shwr early. Lghtng. Fog late am. Bec fine pm		
FRI	29	1006.2	18.2	13.6	15.9	12.1	17.2	15.3	200	12	12.0	26	11.3	2.9	Fine bec cloudy. Mod rain late am then shwrs. Hvy shwr evng		
SAT	30	1011.0	16.9	12.6	14.8	11.8	17.1	<u>15.4</u>	220	13	14.0	26	3.9	13.4	Cloudy, shwrs early bec fair or fine		
MEAN		1012.9	16.2	11.4	13.8	10.8	16.2	14.8	SW	11.0	10.9	TOTAL	122.3	167.9			
30 YEAR AVE. 1981-2010		1018.0	17.5	11.5	14.5	9.0	16.0	14.4	W	10.4	10.1	////	45.5	246.6			
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2µµ	WET ≥1.0µµ	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		20	17	0	0	1	2	0	0	13	1	0	1				
RECORDS FROM JANUARY 1947														RAINFALL	409.4 mm	SUNSHINE	958.7 hrs
WETTEST DAY	46.8mm	DRIEST MONTH	0.6mm	LOWEST MIN	5.4°C	WARMEST MNTH	16.7°C	SUNNIEST MNTH	355.3hrs	RAINFALL	86	SUNLESS DAYS	27				
DAY/YEAR	16th/1970	YEAR	1976	DAY/YEAR	1st/1975	YEAR	1976	YEAR	1975	WET DAYS	58						
WETTEST MNTH	129.7mm	HIGHEST MAX	30.8°C	LOWEST GRASS	-3.0°C	COLDEST MNTH	11.3°C	DULLEST MNTH	147.8hrs								
YEAR	1986	DAY/YEAR	26th/1976	DAY/YEAR	14th/1987	YEAR	1972	YEAR	1977								

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT JULY 2012

DAY	DATE	BAROMETER	TEMPERATURE deg C						WIND				RAIN	SUN	WEATHER		
			mb	AIR			GRASS	SOIL		DIR'N	SPEED(knots)						
				at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.				MEAN	MAX
SUN	1	1018.0	16.8	<u>10.5</u>	13.7	<u>8.8</u>	17.0	<u>15.5</u>	250	17	13.1	27	2.2	11.3	Shwrs. Tempo hvy shwr/hail mid am. Bec fair or fine. Cldy later		
MON	2	1015.7	15.7	13.0	14.4	12.5	17.1	15.6	170	12	9.7	24	3.4	NIL	Cloudy, rain bec drzl/rain. Mist, ocnl fog		
TUE	3	1015.3	17.0	14.4	15.7	14.4	16.8	15.7	170	09	9.2	20	3.2	NIL	Cloudy, drzl/rain. Mist, ocnl fog am. Drzl/rain evng. Mist		
WED	4	1009.5	17.6	13.5	15.6	14.6	16.9	15.6	160	08	8.1	18	0.2	2.7	Cloudy, adj fog. Rain/drzl/fog late am. Tempo fair pm		
THU	5	1009.2	18.1	13.2	15.7	13.2	17.3	15.6	130	09	7.1	18	3.2	3.9	Cloudy, tempo fair. Shwrs pm		
FRI	6	1008.4	16.6	13.1	14.9	13.0	17.3	15.6	220	08	7.1	18	<u>17.6</u>	1.7	Cloudy. Shwrs early. Slr rain, tempo thick fog. Rain late		
SAT	7	<u>1004.7</u>	15.4	13.2	14.3	13.5	17.3	15.7	170	15	14.8	31	4.2	1.2	Rain. Mod/hvy rain early. Mist. Bec slt rain pm. Tempo slt drzl		
SUN	8	1008.6	15.9	13.1	14.5	13.6	16.6	15.8	280	16	14.8	25	0.1	4.3	Cloudy, slt drzl early. Ocnl fair am. Mist evng. Fog patch		
MON	9	1013.6	16.8	13.6	15.2	14.3	16.8	15.7	230	11	10.9	23	TR	1.7	Cloudy, mist. Tempo slt rain early		
TUE	10	1014.1	16.6	12.3	14.5	12.9	16.9	15.8	240	14	12.6	26	TR	3.8	Cloudy. Tempo slt shwrs. Tempo fair		
WED	11	1016.2	17.0	12.2	14.6	11.9	16.9	15.7	270	17	16.3	31	2.8	9.2	Cloudy, slt shwrs early bec fair. Cloudy late evng		
THU	12	1017.1	<u>14.2</u>	12.8	<u>13.5</u>	13.5	16.8	15.8	250	07	12.9	26	13.5	NIL	Cloudy, rain/drzl early. Rain late am. Ocnl mist. Fog late. Drzl		
FRI	13	1006.3	16.6	12.7	14.7	11.8	16.4	15.8	230	13	12.8	27	5.3	3.2	Fog early. Cloudy, ocnl fair late am. Hvy rain evng		
SAT	14	1007.9	17.0	12.9	15.0	11.8	16.6	15.7	260	<u>18</u>	<u>16.7</u>	30	TR	12.1	Cloudy bec fair. Fine evng. Cloudy late		
SUN	15	1018.2	17.0	12.4	14.7	11.1	16.8	15.7	280	14	14.3	26	0.8	10.0	Cloudy. Slr shwr mid am. Fair late am. Mainly fine pm. Dew later		
MON	16	1025.0	17.9	13.1	15.5	12.5	17.0	15.7	220	16	16.4	<u>36</u>	TR	2.3	Cloudy. Rain mid am. Tempo fair early pm. Slr drzl evng		
TUE	17	<u>1028.2</u>	17.5	13.4	15.5	13.4	16.9	15.8	260	12	13.8	27	TR	1.4	Cldy bec mist then fog. Mist pm, tempo fog evng. Fine later, dew		
WED	18	1018.7	16.6	13.2	14.9	11.6	16.7	15.8	230	13	14.6	29	0.5	0.8	Fair, dew bec cloudy. Drzl late am. Drzl/rain pm. Tempo fog		
THU	19	1015.6	17.2	13.3	15.3	12.2	<u>16.3</u>	15.8	260	14	14.2	26	TR	9.7	Cloudy bec fair. Tempo cloudy. Dew later		
FRI	20	1018.1	17.8	11.8	14.8	10.8	16.9	15.8	190	<u>05</u>	5.9	14	NIL	7.4	Fair, dew. Tempo fog early. Fair to cloudy		
SAT	21	1024.0	16.2	11.2	13.7	10.7	17.2	15.9	320	08	5.9	16	NIL	14.2	Fine, dew bec fair. Dew later		
SUN	22	1027.7	19.5	10.7	15.1	10.8	17.2	15.9	130	<u>05</u>	<u>3.0</u>	09	NIL	14.2	Fair, dew. Tempo fog early. Fine pm. Shallow fog later		
MON	23	1024.8	24.2	12.7	18.5	10.4	18.2	16.0	130	06	4.0	10	NIL	14.6	Fine, shallow fog early. Dry air pm		
TUE	24	1018.2	24.8	14.2	19.5	12.5	19.0	16.1	060	08	6.5	17	NIL	<u>14.7</u>	Fine. Dry air late am		
WED	25	1017.4	22.3	14.1	18.2	12.0	19.4	16.5	020	07	7.0	15	NIL	14.5	Fine. Slight dew early. Fine air late.		
THU	26	1016.9	<u>25.3</u>	<u>15.6</u>	<u>20.5</u>	13.5	19.5	16.8	070	09	8.8	17	NIL	13.4	Fine bec fair pm. Cloudy late evng. Lghtng later		
FRI	27	1013.1	20.9	15.5	18.2	<u>15.3</u>	<u>20.2</u>	16.9	010	11	11.8	22	NIL	9.3	Cloudy, lghtng early. Ocnl fair		
SAT	28	1014.2	17.6	13.1	15.3	11.0	19.2	17.1	300	10	12.6	25	2.8	12.3	Fair or fine, ocnl cloudy pm		
SUN	29	1014.5	17.3	11.1	14.2	9.1	18.6	<u>17.2</u>	240	11	11.3	24	TR	11.2	Fair or fine. Tempo cloudy mid am, hvy shwr.		
MON	30	1018.8	17.5	11.7	14.6	9.8	18.2	<u>17.2</u>	270	10	9.3	19	1.9	7.7	Fine bec fair, ocnl cloudy. Rain later		
TUE	31	1017.0	19.6	12.4	16.0	12.9	18.2	17.1	230	10	9.5	25	NIL	6.4	Cloudy, rain or drzl early, mist. Bec fair pm		
MEAN		1016.0	18.1	12.9	15.5	12.2	17.5	16.0	W	11.1	10.8	TOTAL	61.7	219.2			
30 YEAR AVE. 1981-2010		1017.7	19.5	13.6	16.5	11.2	17.8	16.3	W	10.5	10.2	////	42.1	250.7			
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2µµ	WET ≥1.0µµ	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN				
		14	11	0	1	0	3	0	0	12	1	0	3		TOTALS FOR YEAR TO DATE		
RECORDS FROM JANUARY 1947														RAINFALL	471.1 mm	SUNSHINE	1177.9 hrs
WETTEST DAY DAY/YEAR	62.5mm 7th/2004	DRIEST MONTH YEAR	3.9mm 1999	LOWEST MIN DAY/YEAR	8.3°C 8th/1954	WARMEST MNTH YEAR	19.4°C 1983	SUNNIEST MNTH YEAR	335.9hrs 1959	RAIN DAYS	100	SUNLESS DAYS	30				
WETTEST MNTH	120.2mm	HIGHEST MAX	31.7°C	LOWEST GRASS	1.0°C	COLDEST MNTH	13.8°C	DULLEST MNTH	167.7hrs	WET DAYS	69						

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT AUGUST 2012

DAY	DATE	BAROMETER	TEMPERATURE deg C						WIND				RAIN	SUN	WEATHER		
			AIR		GRASS	SOIL		DIR'N	SPEED(knots)								
			at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN				MAX	mm
WED	1	1009.2	18.9	13.2	16.1	12.8	18.2	17.0	180	07	8.8	22	0.3	3.6	Fine bec cloudy. Fog patch. Slt rain/drzl early pm. Fair evng		
THU	2	1012.9	19.3	14.3	16.8	12.8	18.1	17.0	200	14	10.8	23	2.6	7.5	Fine, dew bec cloudy. Fair late am. Slt shwrs pm		
FRI	3	1014.2	18.9	14.2	16.6	13.0	18.1	17.0	190	08	10.3	21	0.1	7.3	Cloudy, mod shwr mid am. Ocnl fair. Slt shwrs evng		
SAT	4	1010.6	18.7	13.7	16.2	14.0	18.2	17.0	190	12	9.2	21	2.7	7.6	Cloudy, ocnl fair. Tempo slt shwrs. Hvy shwr late		
SUN	5	1007.7	18.5	13.4	16.0	11.4	18.2	17.0	180	10	9.0	27	4.4	7.0	Mainly fair or fine am. Slt shwr early. Cloudy pm, shwrs		
MON	6	1012.0	17.1	13.5	15.3	12.2	18.0	17.0	240	14	12.8	25	0.1	5.6	Cloudy, hvy shwr early. Ocnl fair am. Fair late, dew		
TUE	7	1022.1	18.8	12.7	15.8	9.8	17.5	17.0	220	10	7.5	17	NIL	5.0	Fair, dew bec cloudy. Tempo fair		
WED	8	1025.1	20.6	14.1	17.4	11.6	18.0	<u>16.9</u>	250	04	4.6	11	NIL	9.2	Fair, ocnl cloudy. Bec fine evng, dew		
THU	9	1026.1	23.0	13.7	18.4	11.8	18.3	<u>16.9</u>	050	06	6.6	18	NIL	<u>13.6</u>	Fine, dew bec fair. Bec fine pm		
FRI	10	1025.7	23.3	15.1	19.2	13.1	19.0	17.0	090	12	10.5	21	NIL	<u>13.6</u>	Fine, dew. Tempo fair am		
SAT	11	1018.4	23.2	<u>16.6</u>	19.9	13.4	19.2	17.1	090	11	9.5	19	TR	8.0	Fine bec fair. Cloudy evng, slt shwr		
SUN	12	1013.0	20.8	<u>15.7</u>	18.3	15.0	19.3	17.3	210	08	6.7	17	TR	6.1	Cloudy, mist. Tempo fog early. Ocnl fair		
MON	13	1010.7	20.2	15.0	17.6	14.3	19.3	17.3	150	11	7.5	20	3.6	3.7	Cloudy. Slt rain mid am. Shwrs. T&L early pm. Hvy shwr		
TUE	14	1011.0	20.8	14.9	17.9	13.9	18.9	17.4	160	06	7.2	18	8.3	5.2	Fair, dew bec cloudy, mist. Tempo slt rain am. Ocnl fair		
WED	15	<u>1002.3</u>	20.5	15.8	18.2	16.4	19.2	17.3	180	05	12.4	29	0.8	7.6	Rain mid am. Tempo hvy rain. Mist. Fair pm bec fine. Cloudy late		
THU	16	1015.3	18.9	15.9	17.4	14.1	19.0	17.4	180	10	9.8	21	5.8	2.8	Mainly cloudy. Slt shwr mid am. Rain pm. Tempo mod rain evng		
FRI	17	1013.8	<u>25.7</u>	16.5	<u>21.1</u>	15.6	18.7	17.4	150	11	8.5	20	TR	11.9	Hvy rain early bec fair		
SAT	18	1015.3	23.1	15.4	19.3	13.2	19.0	17.4	230	04	4.7	14	0.2	5.3	Fair bec cloudy, mist or fog. Bec fair pm. Adj fog. Fog later		
SUN	19	1017.2	20.0	15.7	17.9	<u>17.5</u>	<u>19.5</u>	17.4	---	<u>00</u>	4.2	17	TR	1.2	Mainly cloudy, fog. Ocnl thick fog. Ocnl mist. Adjacent fog		
MON	20	1022.1	20.8	14.8	17.8	15.0	19.2	17.5	270	07	5.2	14	NIL	10.4	Fog patches early bec fair. Ocnl fine pm. Cloudy later, mist		
TUE	21	1020.0	18.8	14.8	16.8	14.5	19.4	<u>17.6</u>	---	<u>00</u>	7.4	22	TR	4.0	Cloudy, mist early. Tempo shallow fog. Shwr. Fair by evng		
WED	22	1021.7	19.2	14.1	16.7	13.5	18.7	<u>17.6</u>	270	10	9.0	20	TR	11.6	Mainly fair, dew early. Slt shwr am. Bec fine pm		
THU	23	1017.4	19.5	12.5	16.0	<u>9.2</u>	18.0	<u>17.6</u>	230	03	<u>3.1</u>	10	TR	6.8	Fair or fine, dew early. Bec cloudy pm		
FRI	24	1005.5	17.9	13.8	15.9	14.1	18.6	17.5	180	11	8.6	28	<u>12.9</u>	1.8	Mainly cloudy. Rain/shwrs. T&L, hvy rain late am. Hvy shwr pm		
SAT	25	1004.3	16.9	14.5	15.7	13.9	17.8	17.5	240	<u>23</u>	<u>20.5</u>	<u>37</u>	3.5	0.2	Cloudy, shwrs. Tempo hvy shwr evng		
SUN	26	1019.3	18.5	14.5	16.5	13.2	17.2	17.4	260	14	10.4	26	0.2	9.2	Fair am. Bec cloudy by evng		
B.HOL	27	1015.1	21.1	15.1	18.1	14.1	17.8	17.2	160	09	8.8	20	3.2	0.8	Mainly cloudy. Slt rain early. Shwrs pm. Tempo hvy rain late evng		
TUE	28	1016.6	19.2	15.1	17.2	14.0	17.9	17.2	220	11	9.1	20	NIL	8.9	Cloudy, drzl early bec fair late am		
WED	29	1013.3	17.1	12.0	14.6	13.9	18.0	17.2	190	15	14.5	29	4.0	3.8	Fair, dew bec cloudy. Rain late am, tempo hvy rain. Fair by evng		
THU	30	1018.5	17.9	13.8	15.9	12.7	17.1	17.2	270	16	15.6	29	NIL	10.5	Fait to cloudy, shwrs becv mainly fair		
FRI	31	<u>1032.1</u>	<u>16.4</u>	<u>11.9</u>	<u>14.2</u>	10.1	<u>16.9</u>	17.0	360	09	7.9	17	NIL	11.9	Mainly fair bec cloudy late evng		
MEAN		1015.8	19.8	14.4	17.1	13.4	18.4	17.2	S	9.4	9.0	TOTAL	52.7	211.7			
30 YEAR AVE. 1981-2010		1017.3	19.8	14.1	16.9	11.3	18.1	17.2	W	9.9	9.7	////	47.7	230.1			
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2µµ	WET ≥1.0µµ	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		14	10	0	0	2	3	0	0	6	2	0	0				
RECORDS FROM JANUARY 1947														RAINFALL	523.8 mm	SUNSHINE	1389.6 hrs
WETTEST DAY	55.8mm	DRIEST MONTH	3.8mm	LOWEST MIN	9.2°C	WARMEST MNTH	19.3°C	SUNNIEST MNTH	323.0hrs	RAINFALL	114	SUNLESS DAYS	30				
DAY/YEAR	22nd/1973	YEAR	1955	DAY/YEAR	28th/1986	YEAR	2003	YEAR	1955	WET DAYS	79						
WETTEST MNTH	122.0mm	HIGHEST MAX	34.3	LOWEST GRASS	0.8°C	COLDEST MNTH	14.3°C	DULLEST MNTH	139.2hrs								
YEAR	1951	DAY/YEAR	9th/2003	DAY/YEAR	11th/1981	YEAR	1956	YEAR	1992								

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT SEPTEMBER 2012

DAY	DATE	BAROMETER	TEMPERATURE deg C						WIND				RAIN	SUN	WEATHER		
			AIR		GRASS	SOIL		DIR'N	SPEED(knots)								
			at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN				MAX	mm
SAT	1	1029.6	18.0	14.2	16.1	13.6	17.2	<u>16.9</u>	280	09	10.6	22	NIL	6.3	Cloudy bec fair pm		
SUN	2	1027.7	18.6	14.2	16.4	12.8	17.2	<u>16.9</u>	260	13	11.3	19	0.6	2.2	Cloudy, tempo fair. Drzl late, mist		
MON	3	1027.7	18.6	14.2	16.4	<u>15.4</u>	<u>17.5</u>	16.8	330	05	5.3	13	TR	4.1	Cloudy, mist & drzl early. Bec fair pm		
TUE	4	1026.0	16.2	12.8	14.5	10.8	17.3	<u>16.9</u>	310	09	5.3	14	TR	0.2	Clidy bec fine. Shallow fog. Fog patches mid am. Cloudy. Slit drzl		
WED	5	1026.9	17.6	12.6	15.1	14.4	17.1	<u>16.9</u>	040	13	10.1	25	NIL	9.9	Cloudy, mist early. Tempo slit rain bec fair then fine		
THU	6	<u>1029.8</u>	19.0	10.5	14.7	9.0	16.6	<u>16.9</u>	090	09	6.4	16	NIL	11.0	Fine, dew bec fair		
FRI	7	1027.0	19.9	10.5	15.2	7.1	16.6	16.8	100	<u>02</u>	<u>3.2</u>	10	NIL	<u>12.1</u>	Fine, dew. Shallow fog mid am. Fair pm. Shallow fog late evng		
SAT	8	1021.3	<u>23.4</u>	11.2	17.3	9.2	16.6	16.7	100	07	5.0	14	NIL	10.0	Fair, dew. Mist mid am. Dry air midday. Fine by evening		
SUN	9	1013.1	18.7	15.2	17.0	12.4	17.1	16.7	240	10	9.0	20	0.9	2.6	Fine. Mist & dew mid am. Tempo fog am. Shwrs early pm		
MON	10	1013.3	20.2	<u>15.3</u>	<u>17.8</u>	13.4	17.1	16.6	220	11	11.0	22	2.0	6.8	Drzl early bec fair to cloudy. Rain later		
TUE	11	1016.2	16.5	<u>13.6</u>	15.1	13.0	17.2	16.6	300	13	12.3	23	2.1	6.8	Slit rain early. Bec fair. Bec cloudy pm		
WED	12	1018.6	16.8	10.9	13.9	9.7	16.4	16.6	240	08	10.8	25	0.1	4.7	Cloudy, rain/shwrs. Fair pm. Slit shwrs evng		
THU	13	1023.1	16.1	11.5	13.8	8.9	16.3	16.5	340	08	10.3	25	0.1	11.6	Cloudy early bec fine. Cloudy late		
FRI	14	1018.7	18.4	14.2	16.3	12.1	16.4	16.5	270	20	15.5	32	TR	2.9	Cloudy. Ocnl slit drzl/rain. Ocnl fair pm		
SAT	15	1020.7	18.5	11.7	15.1	5.1	16.1	16.4	260	04	4.6	12	NIL	10.2	Mainly fine. Dew early. Shallow fog mid am. Cloudy late		
SUN	16	1016.2	17.0	12.8	14.9	7.7	16.3	16.3	220	05	6.9	15	0.1	0.2	Cloudy. Ocnl fair early		
MON	17	1016.5	17.2	13.9	15.6	11.4	16.3	16.3	300	05	7.4	27	0.3	0.8	Cloudy, ocnl drzl am. Tempo fair mid pm		
TUE	18	1016.2	16.6	12.3	14.5	10.3	16.3	16.3	300	15	12.8	23	NIL	9.9	Fair bec cloudy then fine		
WED	19	1025.7	15.8	10.7	13.3	6.2	15.5	16.3	310	10	6.9	16	NIL	10.5	Fine, dry air pm. Bec fair		
THU	20	1023.2	15.8	10.0	12.9	2.8	15.1	16.2	190	03	3.7	12	NIL	4.3	Fair to cloudy		
FRI	21	1015.8	16.7	10.5	13.6	4.0	14.9	16.0	020	04	4.5	15	NIL	1.8	Mainly cloudy. Fair by evng		
SAT	22	1019.2	16.3	11.6	13.9	5.2	14.8	15.8	080	09	10.5	22	11.6	2.3	Fair, slit dew bec fair to cloudy. Cloudy pm. Rain late		
SUN	23	1005.6	16.2	11.5	13.9	10.5	15.0	15.7	080	19	12.5	33	<u>36.5</u>	NIL	Rain, ocnl hvy rain. T&L, violent rain late am. Mist evng		
MON	24	995.2	16.1	10.5	13.3	11.7	14.8	15.6	270	<u>29</u>	<u>20.4</u>	<u>51</u>	7.3	3.5	Rain, tempo hvy rain early. Gales mid am. Shwrs. Ocnl fair		
TUE	25	992.0	15.1	11.0	13.1	9.3	14.4	15.6	200	14	14.6	29	12.7	6.1	Shwrs. Tempo hvy shwrs am. Mainly fair pm. Shwrs evng		
WED	26	<u>991.4</u>	15.5	10.8	13.2	9.4	<u>14.0</u>	15.4	240	14	15.1	29	5.6	5.6	Shwrs. Hvy shwr early. Mainly fair pm. Shwrs evng		
THU	27	1009.7	16.1	11.8	14.0	10.7	14.3	15.3	320	12	13.5	28	TR	7.7	Slit shwrs early bec fair. Ocnl fine pm		
FRI	28	1016.4	15.9	11.3	13.6	8.3	14.3	15.1	230	14	11.8	27	1.5	0.8	Fair bec mainly cloudy. Shwrs		
SAT	29	1021.6	<u>14.9</u>	11.5	13.2	9.2	14.2	15.1	330	11	9.5	19	NIL	9.2	Fair, slit shwr early bec mainly fine		
SUN	30	1023.5	15.3	<u>9.5</u>	<u>12.4</u>	<u>2.6</u>	<u>14.0</u>	<u>15.0</u>	230	10	10.3	25	2.9	2.0	Fine bec fair. Slit dew. Bec mainly cloudy		
MEAN		1017.6	17.2	12.1	14.7	9.5	15.9	16.2	NW	10.5	9.7	TOTAL	84.3	166.1			
30 YEAR AVE. 1981-2010		1017.2	18.0	12.9	15.4	9.8	16.3	16.5	W	11.1	10.8	////	57.5	180.1			
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2µµ	WET ≥1.0µµ	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		12	9	0	0	1	2	0	0	3	0	1	1				
RECORDS FROM JANUARY 1947														RAINFALL	608.1 mm	SUNSHINE	1555.7 hrs
WETTEST DAY	43.7mm	DRIEST MONTH	6.9mm	LOWEST MIN	5.8°C	WARMEST MNTH	17.5°C	SUNNIEST MNTH	266.5hrs	RAIN DAYS	126	SUNLESS DAYS	31				
DAY/YEAR	20th/1949	YEAR	1997	DAY/YEAR	28th/1974	YEAR	1949	YEAR	1959	WET DAYS	88						
WETTEST MNTH	194.5mm	HIGHEST MAX	30.6°C	LOWEST GRASS	-1.0°C	COLDEST MNTH	12.8°C	DULLEST MNTH	104.5hrs								
YEAR	1952	DAY/YEAR	2nd/1961	DAY/YEAR	23rd/1979	YEAR	1986	YEAR	1956								

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT OCTOBER 2012

DAY	DATE	BAROMETER	TEMPERATURE deg C						WIND				RAIN	SUN	WEATHER	
			mb	AIR			GRASS	SOIL		DIR'N	SPEED(knots)					
				at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.				MEAN
MON	1	1015.1	16.1	13.1	14.6	11.3	14.1	14.9	220	18	13.5	27	3.0	0.3	Cloudy. Drzl/rain am/ Hvy rain early pm. Fair, dew late	
TUE	2	1014.7	16.5	13.0	14.8	10.5	14.2	14.9	220	17	16.3	35	11.4	1.3	Fair bec cloudy. Shwrs pm bec rain. Hvy rain evng	
WED	3	1009.8	15.0	11.2	13.1	10.6	14.1	14.8	230	15	13.0	33	15.9	NIL	Shwrs. Tempo hvy shwrs. Rain late am. Tempo hvy rain	
THU	4	1011.8	15.4	10.7	13.1	8.3	13.8	14.8	250	13	10.8	33	1.9	9.9	Rain early bec fair or fine. Cloudy late evng	
FRI	5	1011.0	17.0	13.3	15.2	10.9	14.3	14.8	290	10	16.3	39	13.7	NIL	Cldy. Rain/drzl mid am. Tempo hvy rain. Cldy pm, tempo slt drzl	
SAT	6	1011.8	15.9	11.8	13.9	12.1	14.5	14.7	040	09	13.3	32	6.8	NIL	Rain, ocnl hvy rain am bec drzl/rain. Mist. Mod drzl	
SUN	7	1021.3	14.3	11.6	13.0	8.9	14.3	14.7	080	11	11.3	21	24.0	0.5	Cloudy, slt drzl early. Drzl/rain late evng. Hvy rain & fog late	
MON	8	1013.6	16.6	13.4	15.0	12.6	14.6	14.7	230	15	10.2	24	2.7	NIL	Rain & fog, ocnl hvy rain bec driz & fog. Fog pm, ocnl thick fog	
TUE	9	1014.5	16.6	14.5	15.6	14.1	15.0	14.8	160	05	4.6	12	3.1	NIL	Thick fog early. Ocnl drzl. Tempo mod drzl. Fog patches pm. Mist	
WED	10	1014.1	16.1	14.3	15.2	12.9	15.2	14.8	110	03	5.2	15	8.0	0.4	Cldy, mist. Mod rain then drzl. Slt drzl early pm. Mist evng. Rain	
THU	11	1002.4	16.6	12.7	14.7	13.5	15.4	14.8	160	12	13.8	32	1.7	NIL	Hvy rain early. Tempo fog. Hvy rain mid am. Shwrs	
FRI	12	1012.3	14.4	8.6	11.5	7.6	14.7	14.9	270	14	16.3	36	10.1	6.3	Fair, ocnl cloudy. Shwrs. Hvy shwr evng. T&L, small hail	
SAT	13	1007.7	13.0	8.9	11.0	8.2	14.0	14.9	280	16	13.5	28	2.8	8.3	Shwrs early bec fair. Shwrs late evng, small hail	
SUN	14	1001.7	12.1	8.0	10.1	6.5	13.2	14.8	010	07	6.7	19	1.0	8.4	Mainly cloudy slt shwrs bec fair. Fine pm	
MON	15	1006.9	14.3	9.1	11.7	5.6	13.1	14.7	260	13	16.0	38	3.1	6.2	Fair bec cloudy, shwrs. Fair again. Shwrs evng bec rain	
TUE	16	1006.1	14.7	10.3	12.5	8.7	13.1	14.5	260	13	15.8	37	10.2	7.5	Ocnl cloudy early. Shwrs. Fine pm bec cloudy. Hvy rain late	
WED	17	998.5	16.2	12.2	14.2	10.2	13.4	14.3	200	20	17.2	37	3.2	5.3	Hvy rain early bec fine. Bec cloudy pm. Hvy rain late	
THU	18	1001.7	15.3	11.5	13.4	10.4	13.4	14.2	180	14	10.8	27	1.0	0.7	Cloudy, rain early. Shwrs evng	
FRI	19	1007.3	13.4	10.8	12.1	9.4	13.4	14.2	150	02	3.0	10	TR	NIL	Cloudy, slt rain or drzl am & early pm	
SAT	20	1016.8	14.5	10.5	12.5	8.3	13.3	14.1	300	02	3.1	08	TR	NIL	Cloudy. Fair late, dew	
SUN	21	1015.7	13.8	9.5	11.7	5.9	13.2	14.0	060	15	10.0	25	2.1	NIL	Fair, dew bec cloudy. Drzl/rain rain. Mist evng	
MON	22	1018.2	15.9	13.8	14.9	12.4	13.7	14.0	----	00	3.1	16	0.1	NIL	Drzl & mist bec fog. Tempo thick fog. Ocnl fog pm bec mist	
TUE	23	1024.2	16.5	13.6	15.1	11.4	14.1	14.0	----	00	4.8	14	TR	1.3	Cloudy, mist. Fog patches am. Tempo fair midday. Mist pm	
WED	24	1018.0	15.2	12.1	13.7	12.4	14.4	14.2	060	09	8.2	17	TR	0.1	Cloudy, drzl & fog early bec mist. Haze pm	
THU	25	1012.4	13.8	10.3	12.1	7.9	14.0	14.1	070	14	10.1	26	TR	1.0	Fair, mist & dew bec cloudy. Tempo fog am. Mist or haze pm	
FRI	26	1007.8	13.9	7.9	10.9	10.0	14.0	14.1	060	16	18.7	33	1.3	NIL	Cloudy, haze early. Tempo slt rain am. Rain pm. Shwrs later	
SAT	27	1017.8	8.6	4.8	6.7	2.8	12.5	14.2	020	20	17.0	37	TR	6.8	Cloudy, slt shwrs early bec mainly fair	
SUN	28	1020.4	10.7	5.9	8.3	0.7	11.8	14.0	290	08	10.8	28	2.3	0.5	Fair bec cloudy. Slt shwrs am. Rain late am. Mod rain late	
MON	29	1012.3	12.9	9.0	11.0	7.5	11.5	13.8	210	15	14.3	31	6.4	2.8	Cldy, rain early. Ocnl fair pm. Fine evng. Cldy later, slt shwrs	
TUE	30	1008.2	13.1	9.4	11.3	7.0	11.8	13.6	300	03	6.6	21	0.9	5.5	Hvy shwrs early bec fair late am. Cloudy late evng	
WED	31	994.4	12.6	9.4	11.0	6.1	11.8	13.4	200	20	18.3	37	10.8	1.3	Mainly cloudy. Slt shwrs. Rain later, tempo hvy rain	
MEAN		1011.2	14.5	10.8	12.7	9.2	13.7	14.4	W	11.3	11.4	TOTAL	147.5	74.4		
30 YEAR AVE. 1981-2010		1014.8	15.1	10.8	13.0	8.1	13.6	14.6	W	12.4	12.4	////	95.0	117.1		
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2µµ	WET ≥1.0µµ	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE		
		24	23	0	2	1	1	0	0	9	3	0	11			
RECORDS FROM JANUARY 1947													RAINFALL	755.6 mm	SUNSHINE	1630.1 hrs
WETTEST DAY DAY/YEAR	46.2mm 7th/1987	DRIEST MONTH YEAR	3.4mm 1978	LOWEST MIN DAY/YEAR	3.5°C 28th/2003	WARMEST MNTH YEAR	15.2 2001/06	SUNNIEST MNTH YEAR	176.4hrs 1971	RAIN DAYS	150	SUNLESS DAYS	42			
WETTEST MNTH YEAR	233.9mm 1960	HIGHEST MAX DAY/YEAR	23.6°C 1st/2011	LOWEST GRASS DAY/YEAR	-4.0°C 30th/1983	COLDEST MNTH YEAR	9.6°C 1974	DULLEST MNTH YEAR	72.6hrs 1968	WET DAYS	111					

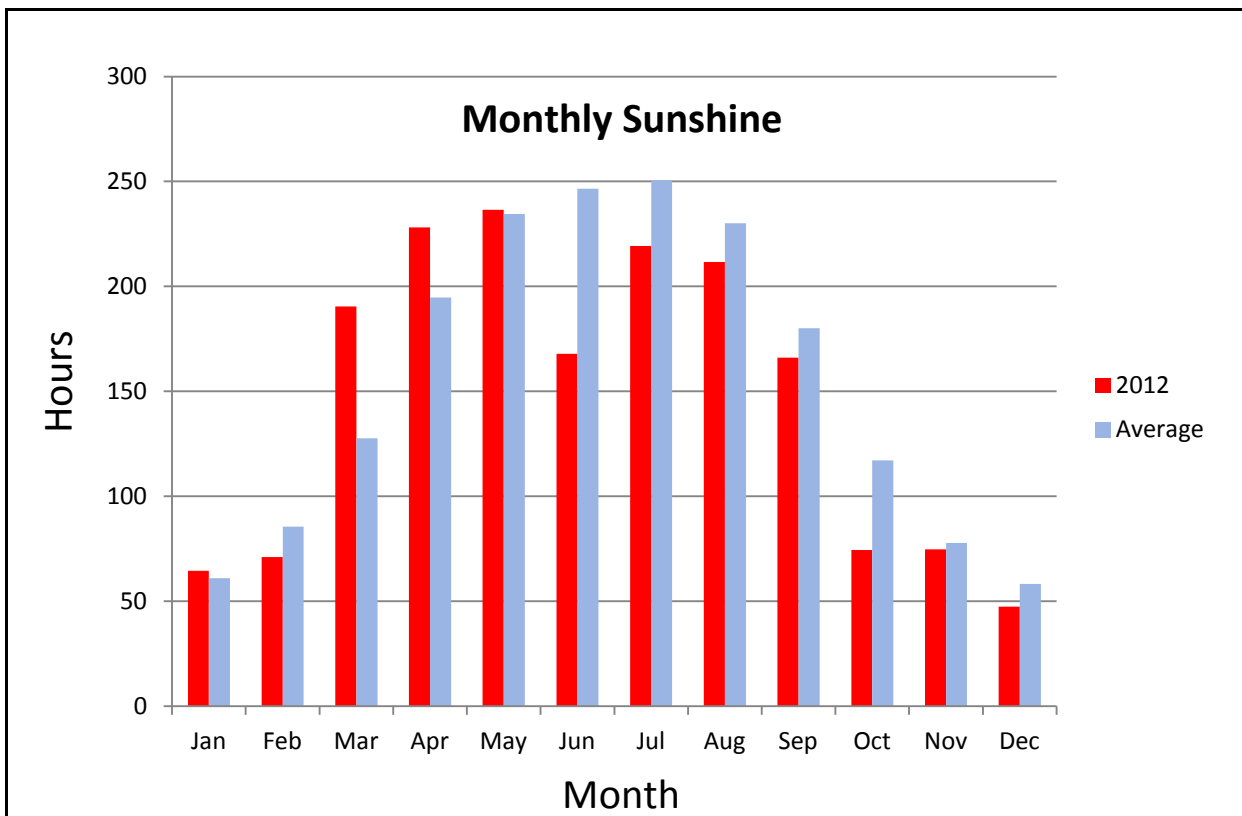
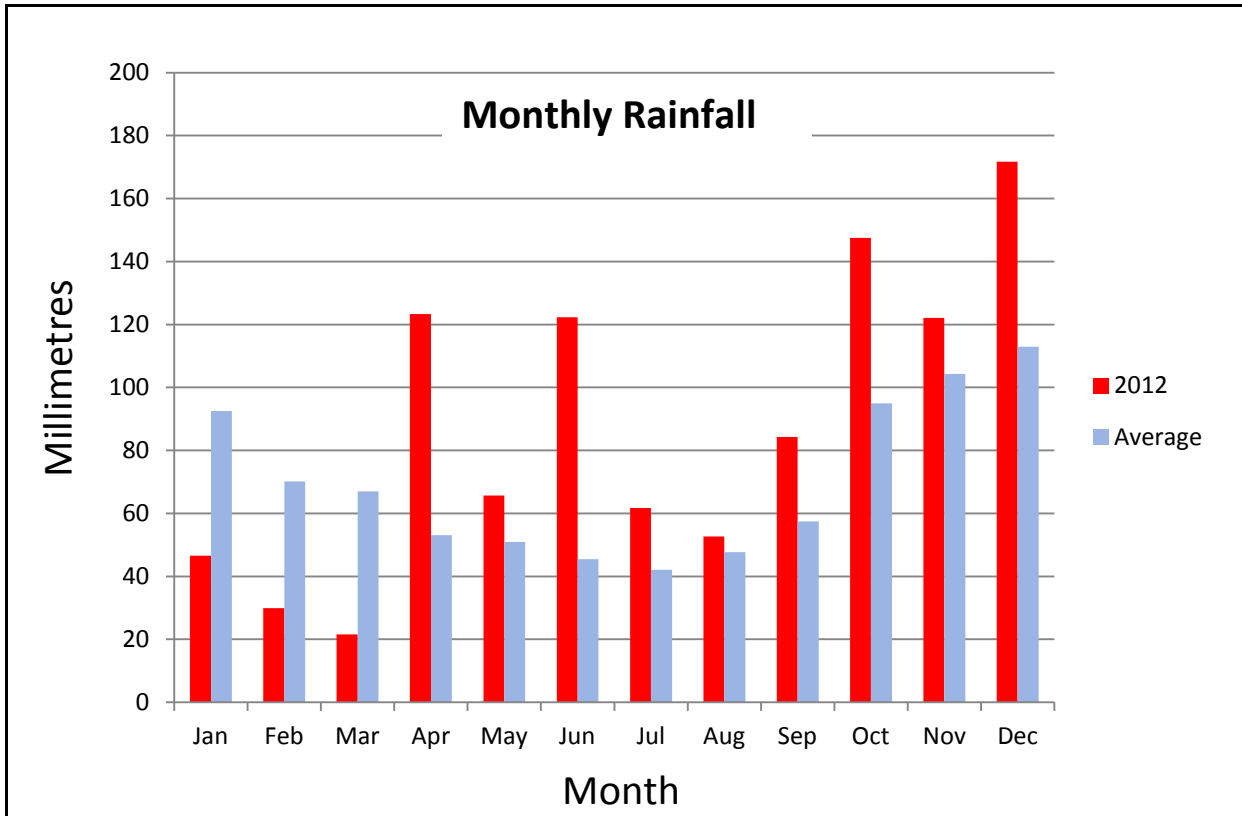
METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT NOVEMBER 2012

DAY	DATE	BAROMETER	TEMPERATURE deg C					WIND				RAIN	SUN	WEATHER			
			mb	AIR			GRASS	SOIL		DIR'N	SPEED(knots)						
				at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.				9a.m.	MEAN	MAX
THU	1	<u>980.5</u>	12.3	4.9	8.6	4.9	<u>11.5</u>	<u>13.2</u>	250	20	19.7	42	9.9	2.9	Hvy rain early. T&L mid am. Shwrs. Hvy hail pm. Ocnl fair		
FRI	2	993.4	11.1	5.7	8.4	1.3	10.8	13.0	240	16	17.1	42	10.2	5.7	Shwrs. T&L, small hail mid am. Bec fair		
SAT	3	998.8	11.6	6.3	9.0	2.6	10.5	13.0	260	18	13.9	36	11.6	5.7	Shwrs, ocnl hvy shwrs early. Small hail. Bec fair		
SUN	4	994.8	11.5	7.3	9.4	5.2	10.4	12.8	270	22	18.0	40	9.6	3.0	Cloudy, Mod/hvy rian early. Bec shwrs. Tempo hvy shwrs.		
MON	5	1002.9	10.6	6.7	8.7	2.8	10.3	12.5	020	02	7.7	28	8.0	0.1	Shwrs. Hvy shwr/funnel cloud mid am. Hvy rain late am bec fair		
TUE	6	1023.8	11.2	6.6	8.9	0.9	9.7	12.5	320	09	9.5	22	TR	8.0	Fair or fine. Slit shwr mid am. Cloudy by evng. Slit drzl/rain		
WED	7	<u>1029.4</u>	11.9	9.8	10.9	6.7	10.3	12.2	260	10	10.0	21	NIL	0.7	Cloudy		
THU	8	1023.0	12.0	9.5	10.8	8.0	10.5	12.1	240	04	5.9	14	TR	0.3	Cloudy. Slit drzl late am. Slit shwr pm		
FRI	9	1014.3	11.1	9.1	10.1	5.8	10.6	12.0	160	09	10.0	24	6.4	2.9	Cloudy, ocnl fair. Bec cloudy pm		
SAT	10	999.3	11.1	7.8	9.5	8.0	10.7	12.1	270	04	10.5	33	4.8	2.2	Cloudy. Rain. Tempo hvy rain. Ocnl fair pm. Shwrs		
SUN	11	1011.9	11.0	6.3	8.7	1.3	10.2	11.9	310	08	6.1	20	0.2	8.0	Shwrs early bec fair or fine. Tempo cloudy evng		
MON	12	1023.6	12.7	7.5	10.1	1.7	10.3	12.0	210	14	11.3	26	1.8	NIL	Fair bec cloudy. Rain mid am. Rain/drzl		
TUE	13	1028.3	<u>13.9</u>	<u>12.0</u>	<u>13.0</u>	<u>11.0</u>	10.8	11.8	180	07	6.7	14	TR	2.6	Cloudy. Slit shwr late am. Fine early pm bec cloudy. Fair late, dew		
WED	14	1024.9	12.2	7.1	9.7	6.1	10.9	11.8	100	08	8.2	17	TR(dew)	<u>8.3</u>	Fair, dew bec fine. Mist late, dew		
THU	15	1022.3	9.1	7.2	8.2	2.7	10.5	11.9	110	08	6.6	13	TR	NIL	Fine, mist & dew bec cloudy. Fog evng bec thick fog		
FRI	16	1014.8	12.8	9.1	11.0	7.5	10.7	11.8	130	10	9.7	17	0.2	4.4	Thick fog early bec mist. Fair late am. Ocnl fine pm. Mist evng		
SAT	17	1008.9	13.0	9.9	11.5	9.2	11.2	11.8	310	08	8.5	17	1.3	NIL	Cloudy, rain mid am. Mod rain early pm		
SUN	18	1015.9	10.8	6.4	8.6	1.4	10.6	11.8	---	<u>00</u>	5.0	17	NIL	1.8	Cloudy bec fair. Mainly cloudy pm		
MON	19	1011.5	12.1	7.8	10.0	3.0	10.1	11.8	180	17	14.4	30	2.1	1.0	Fine bec fair then cloudy. Slit rain early pm. Mod rain evng		
TUE	20	1008.7	13.4	11.9	12.7	9.9	10.7	11.8	180	16	15.9	32	13.0	NIL	Ocnl slit rain am. Mod rain by evng. Tempo hvy rain. Fog patch		
WED	21	1006.2	12.0	9.6	10.8	8.5	10.9	11.7	270	<u>29</u>	17.8	40	0.5	2.2	Mod rain mid am. Ocnl fair midday. Slit shwrs pm. Fine evng		
THU	22	1014.8	13.5	10.3	11.9	6.7	10.6	11.7	180	23	21.3	44	<u>14.5</u>	5.3	Fair, slit shwr early. Bec cldy pm. Rain later. Tempo hvy rain late		
FRI	23	1012.9	12.1	7.3	9.7	6.2	10.6	11.7	220	04	5.6	20	6.3	0.2	Cloudy, hvy rain early		
SAT	24	1009.9	12.7	8.7	10.7	6.5	10.5	11.7	110	11	15.8	52	7.2	NIL	Rain, ocnl mod rain. Hvy rain around midday. Mist evng. Gale late		
SUN	25	1011.0	13.0	9.0	11.0	6.5	10.4	11.7	210	16	<u>22.6</u>	<u>57</u>	9.0	2.3	Gale early, slit shwrs. Cldy. Ocnl fair pm. Small hail later. Hvy rain		
MON	26	997.8	11.3	7.2	9.3	5.4	10.2	11.6	250	21	14.8	33	5.4	1.4	Shwrs. Hvy shwr early. Small hail. Rain late		
TUE	27	1003.4	9.5	6.8	8.2	5.3	10.0	11.6	340	11	14.2	32	0.1	0.7	Cloudy. Mod rain early. Shwrs		
WED	28	1013.9	8.3	6.4	7.3	5.4	9.6	11.4	010	14	14.2	36	TR	NIL	Cloudy. Tempo slit shwrs		
THU	29	1015.9	<u>6.9</u>	4.1	<u>5.5</u>	1.6	9.0	11.3	350	08	6.2	22	TR	3.2	Cloudy bec fair to cloudy		
FRI	30	1012.1	8.1	<u>4.0</u>	6.1	<u>-2.7</u>	<u>8.4</u>	<u>11.2</u>	---	<u>00</u>	<u>2.5</u>	11	TR	1.8	Slit shwr early bec fair or fine, then mainly cloudy		
MEAN		1011.0	11.4	7.7	9.6	5.0	10.4	12.0	W	11.6	11.7	TOTAL	122.1	74.7			
30 YEAR AVE. 1981-2010		1015.3	11.8	8.1	9.9	5.3	10.5	12.1	SW	12.8	13.0	////	104.3	77.8			
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2µµ	WET ≥1.0µµ	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		19	16	0	7	2	3	0	1	3	0	2	6				
RECORDS FROM JANUARY 1947														RAINFALL	877.7 mm	SUNSHINE	1704.8 hrs
WETTEST DAY	39.4mm	DRIEST MONTH	16.1mm	LOWEST MIN	-0.8°C	WARMEST MNTH	12.0°C	SUNNIEST MNTH	123.6hrs	RAIN DAYS	169	SUNLESS DAYS	48				
DAY/YEAR	15th/1975	YEAR	1978	DAY/YEAR	28th/2010	YEAR	994,2011	YEAR	2006	WET DAYS	127						
WETTEST MNTH	234.7mm	HIGHEST MAX	16.8°C	LOWEST GRASS	-5.6°C	COLDEST MNTH	7.7°C	DULLEST MNTH	35.9hrs								
YEAR	2009	DAY/YEAR	1st/99,8th/05	DAY/YEAR	29th/1987	YEAR	1993	YEAR	1994								

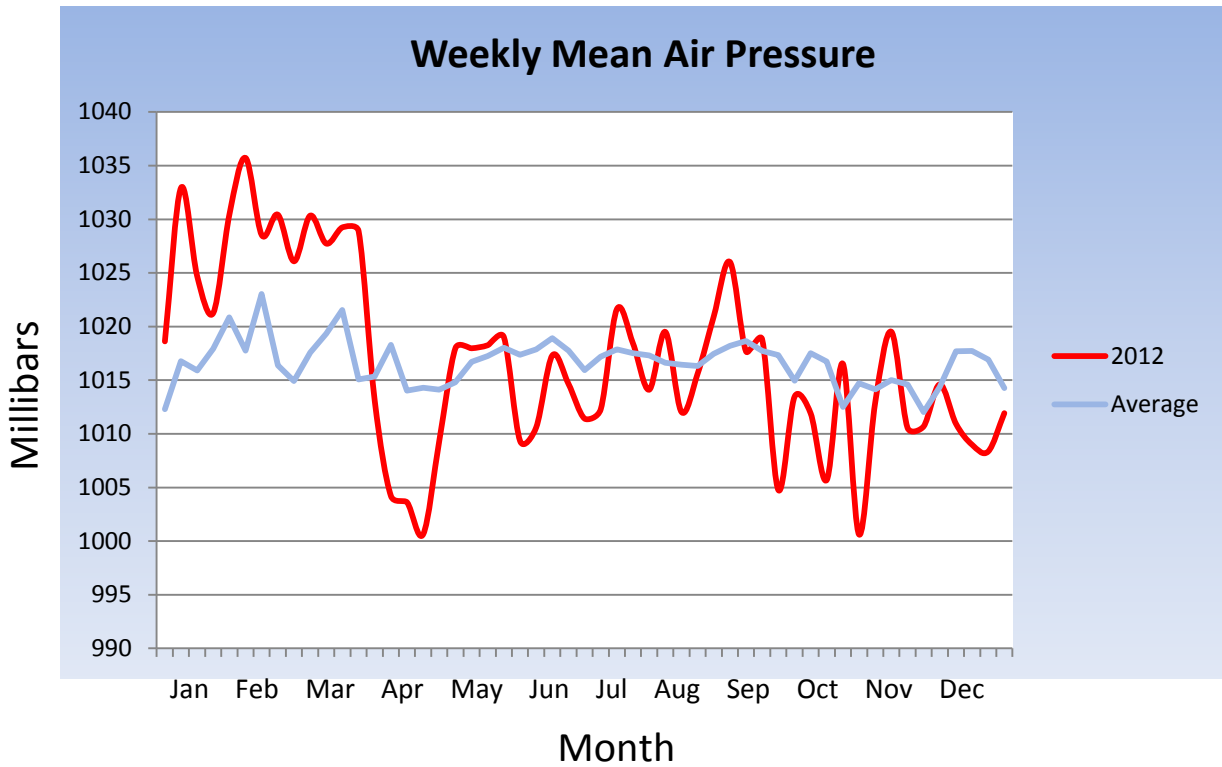
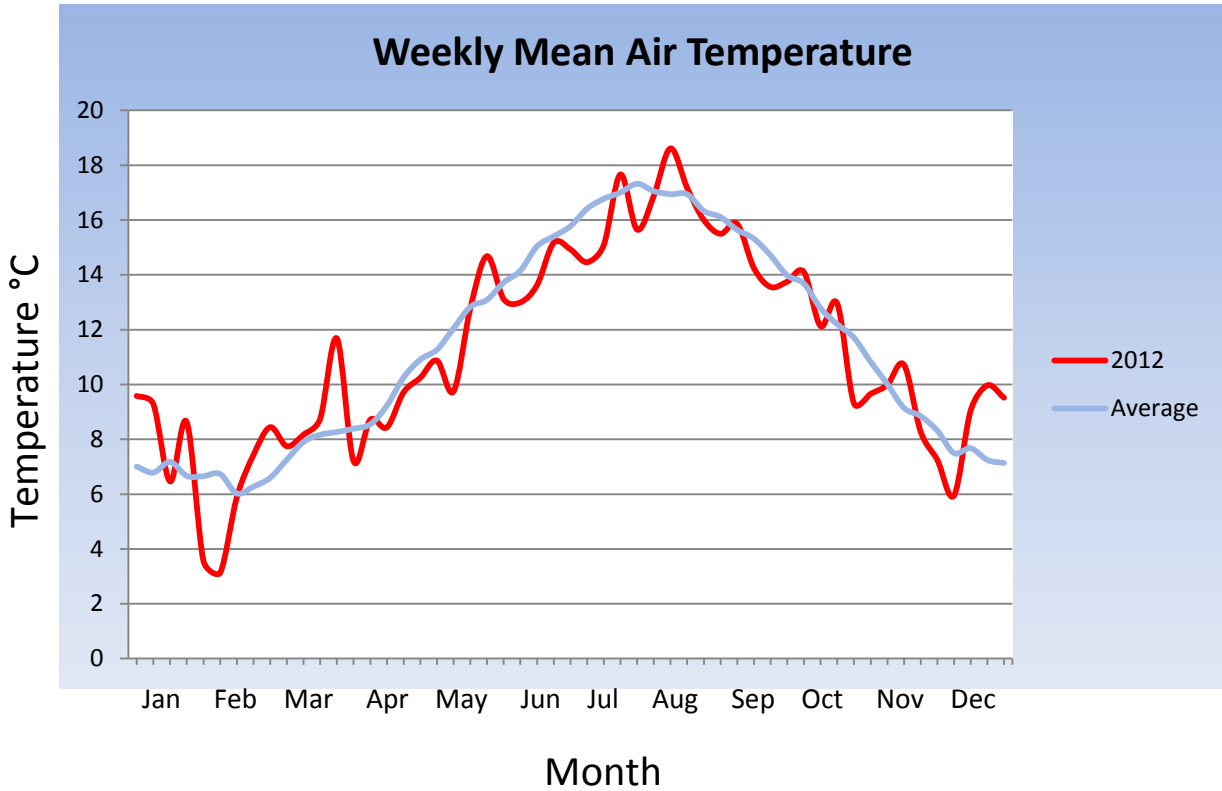
METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT DECEMBER 2012

DAY	DATE	BAROMETER	TEMPERATURE deg C						WIND				RAIN	SUN	WEATHER	
			AIR		GRASS	SOIL		DIR'N	SPEED(knots)							
			at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN				MAX
SAT	1	1017.4	9.6	5.3	7.5	0.1	8.0	<u>11.1</u>	330	05	8.8	28	TR	5.4	Cloudy, slt shwr mid am bec fair. Cloudy evng, slt shwrs	
SUN	2	1019.3	9.2	5.6	7.4	1.2	7.9	10.8	300	04	<u>7.4</u>	26	6.6	0.2	Fair or fine bec cloudy. Slt shwr late am. Drzl/rain evng. Hill fog	
MON	3	1013.2	11.7	6.4	9.1	6.6	8.8	10.6	280	23	16.8	35	6.0	0.4	Cloudy, rain/drzl & mist to mid am. Mod rain evng	
TUE	4	1010.3	8.8	5.3	7.1	3.3	8.6	10.6	290	20	18.0	43	4.9	1.5	Shwrs rain/small hail. Slt T&L evng	
WED	5	1007.9	7.9	4.9	6.4	1.7	7.9	10.4	320	16	14.3	31	0.4	3.4	Shwrs early, rain/small hail. Bec fine pm	
THU	6	1019.7	8.0	3.1	5.6	<u>-2.1</u>	7.2	10.3	---	<u>00</u>	10.3	33	11.0	NIL	Fair bec cloudy, slt shwrs. Hvy rain late evng	
FRI	7	1005.9	9.6	6.1	7.9	4.0	7.4	10.2	310	24	<u>23.4</u>	46	TR	4.6	Rain early bec fair. Ocnl cloudy, Hvy shwr rain/small hail. Fair	
SAT	8	1025.6	8.5	4.9	6.7	5.6	7.4	10.0	360	10	8.0	27	TR	0.1	Cloudy. Fair evng	
SUN	9	1026.2	9.4	5.2	7.3	-1.0	7.3	9.9	290	17	14.8	30	1.9	NIL	Fair bec cloudy. Slt shwrs. Shwrs evng	
MON	10	1023.6	9.1	5.0	7.1	3.0	7.6	9.8	360	07	8.6	19	NIL	<u>6.3</u>	Cloudy bec fair or fine	
TUE	11	<u>1029.5</u>	6.0	2.5	4.3	2.1	6.9	9.7	050	09	8.8	19	TR	2.7	Fair bec fair to cloudy. Slt shwr pm	
WED	12	1021.5	<u>4.6</u>	1.7	<u>3.2</u>	0.2	6.1	9.6	150	09	10.7	21	TR	5.9	Fine bec fair. Cloudy later	
THU	13	1003.0	<u>6.7</u>	<u>1.4</u>	4.1	-0.2	<u>5.6</u>	9.4	130	10	9.7	21	9.4	NIL	Cloudy, tempo fair early. Ocnl slt rain am. Mist pm, ocnl fog evng	
FRI	14	<u>981.6</u>	11.9	6.4	9.2	5.3	6.6	9.1	170	15	18.3	42	7.7	2.5	Mist. Hvy rain mid am. Mod rain. Tempo fog late am. Shwrs	
SAT	15	995.2	10.6	7.2	8.9	6.8	7.5	<u>9.0</u>	220	14	17.5	38	13.9	1.7	Mainly cloudy. Mod/hvy shwrs. Small hail evng	
SUN	16	1003.6	10.4	6.5	8.5	5.3	7.6	<u>9.0</u>	230	15	16.0	40	5.0	1.0	Hvy shwrs early, small ahil. Slt T&L. Ocnl fair. Hail, T&L pm	
MON	17	1005.8	10.5	7.0	8.8	5.8	7.8	9.1	270	21	20.4	43	3.9	3.6	Fair to cloudy. Shwrs. Tempo small hail	
TUE	18	1017.3	10.2	6.0	8.1	5.1	7.9	9.2	320	08	9.1	33	7.6	1.5	Cloudy, slt shwrs early. Tempo fair	
WED	19	1012.9	11.8	7.8	9.8	3.7	7.9	9.2	140	18	12.1	30	21.3	NIL	Cloudy bec mod rain. Drzl/rain. Fog late am. Tempo thick fog pm	
THU	20	997.9	11.6	9.4	10.5	9.6	8.7	9.1	150	16	16.3	37	4.8	0.2	Mod rain, mist. Tempo hvy rain mid am. Shwrs pm	
FRI	21	1012.1	10.5	7.2	8.9	2.1	8.4	9.2	270	04	7.8	24	<u>25.0</u>	NIL	Fair early bec cloudy. Mod rain later	
SAT	22	1007.2	12.7	8.2	10.5	7.1	8.7	9.3	240	19	19.0	33	5.6	NIL	Mod rain, mist. Tempo hvy rain bec drzl/ rain. Fog. Mist pm	
SUN	23	1008.0	12.6	8.0	10.3	<u>10.0</u>	9.5	9.5	240	12	12.3	34	6.0	NIL	Drzl, tempo mod drzl/rain. Fog bec mist. Drzl & rain	
MON	24	1000.1	<u>12.9</u>	8.0	10.5	8.1	<u>9.6</u>	9.5	180	15	15.0	36	4.8	0.1	Drzl & fog early. Drzl/rain early pm. Mod rain evng	
TUE	25	994.6	11.1	7.7	9.4	7.2	9.3	9.7	230	25	21.8	44	1.4	3.2	Cloudy bec fair. Shwrs	
WED	26	1013.1	11.3	8.4	9.9	6.4	9.0	9.8	250	20	22.1	41	3.0	NIL	Shwrs early. Cloudy. Drzl/rain pm. Fair evng	
THU	27	1004.7	11.0	7.6	9.3	6.1	9.1	9.8	260	<u>28</u>	21.5	<u>56</u>	2.4	2.5	Cloudy. Hvy shwr mid am. Gales am. Ocnl fair. Rain late	
FRI	28	1020.9	11.9	8.2	10.1	6.2	9.1	9.8	220	15	15.0	34	0.2	NIL	Drzl/rain. Mist, ocnl fog am. Cloudy, slt shwr pm	
SAT	29	1003.9	11.7	7.2	9.5	9.3	9.5	9.8	170	22	19.1	46	4.5	0.1	Int slt rain am. Rain pm, tempo hvy rain. Shwrs evng. Lghtng, hail	
SUN	30	1016.6	10.7	6.3	8.5	3.9	8.8	9.8	250	22	19.9	43	0.5	0.6	Cloudy, ocnl fair early. Shwrs am. Shwr early pm	
MON	31	1009.0	11.3	<u>9.9</u>	<u>10.6</u>	7.9	9.0	9.8	200	21	17.2	35	13.9	NIL	Cloudy. Ocnl slt rain am. Rain pm, mist. Tempo hvy rain evng	
MEAN		1010.6	10.1	6.3	8.2	4.5	8.1	9.7	W	15.0	14.8	TOTAL	171.7	47.5		
30 YEAR AVE. 1981-2010		1016.4	9.5	6.0	7.7	3.4	8.0	9.6	SW	13.5	13.7	////	112.9	58.2		
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2µµ	WET ≥1.0µµ	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE		
		25	22	0	7	2	4	0	3	8	1	1	10			
RECORDS FROM JANUARY 1947													RAINFALL	1049.4 mm	SUNSHINE	1752.3 hrs
WETTEST DAY DAY/YEAR	42.9 4th/2010	DRIEST MONTH YEAR	28.1mm 1953	LOWEST MIN DAY/YEAR	-3.8°C 24th/1963	WARMEST MNTH YEAR	10.1°C 1953	SUNNIEST MNTH YEAR	108.9hrs 2001	RAIN DAYS	194	SUNLESS DAYS	58	WET DAYS	149	
WETTEST MNTH YEAR	249.6mm 1999	HIGHEST MAX DAY/YEAR	15.6°C 6th/1953	LOWEST GRASS	-8.9°C 29th/1964,27th/1995	COLDEST MNTH YEAR	4.4°C 2010	DULLEST MNTH YEAR	26.6hrs 1966							

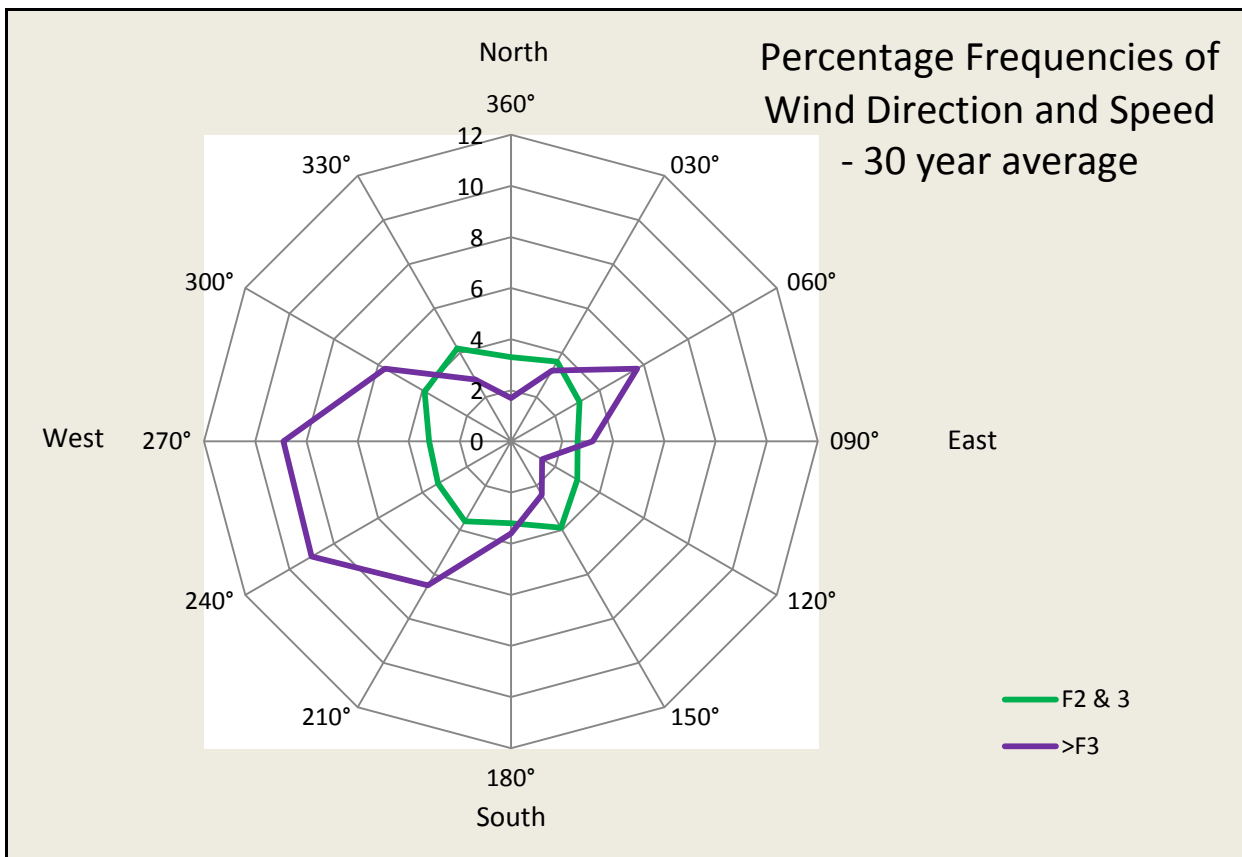
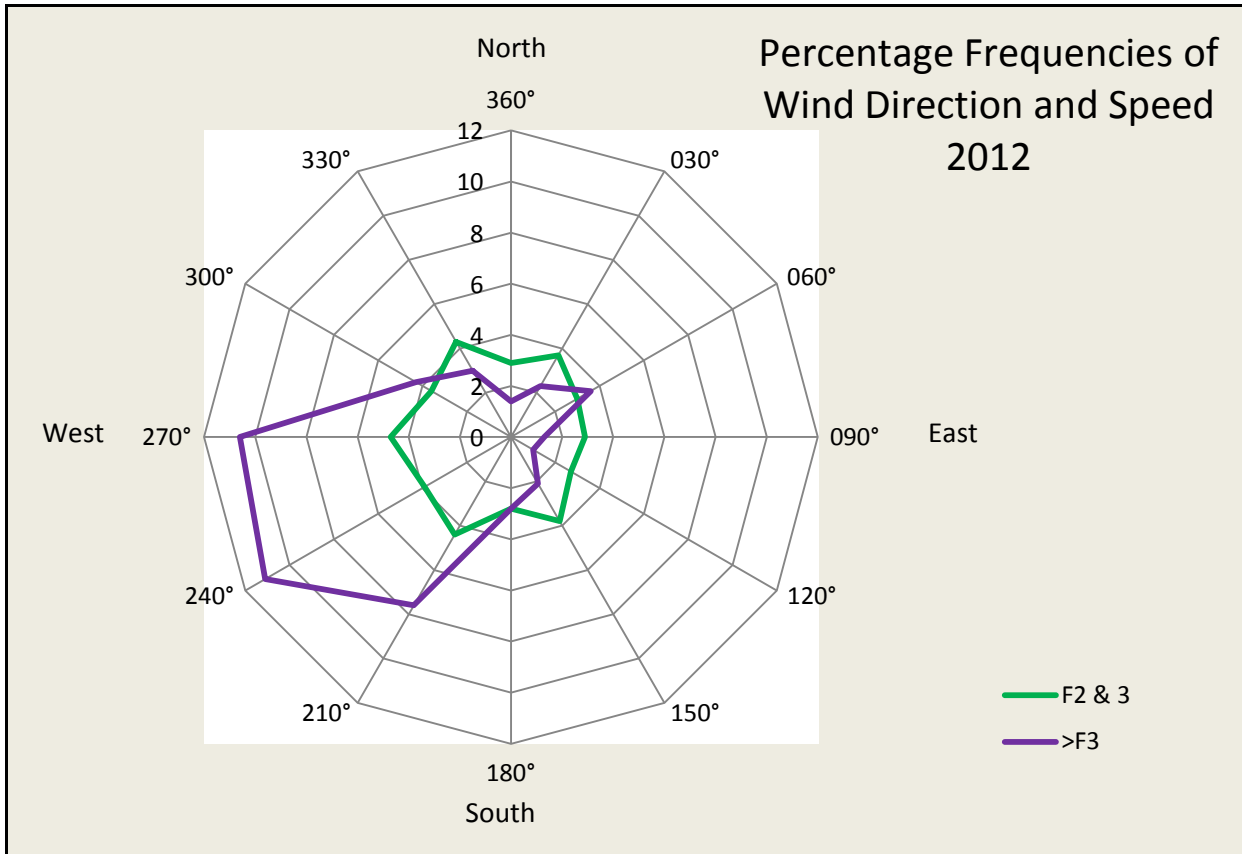
Guernsey Met Office



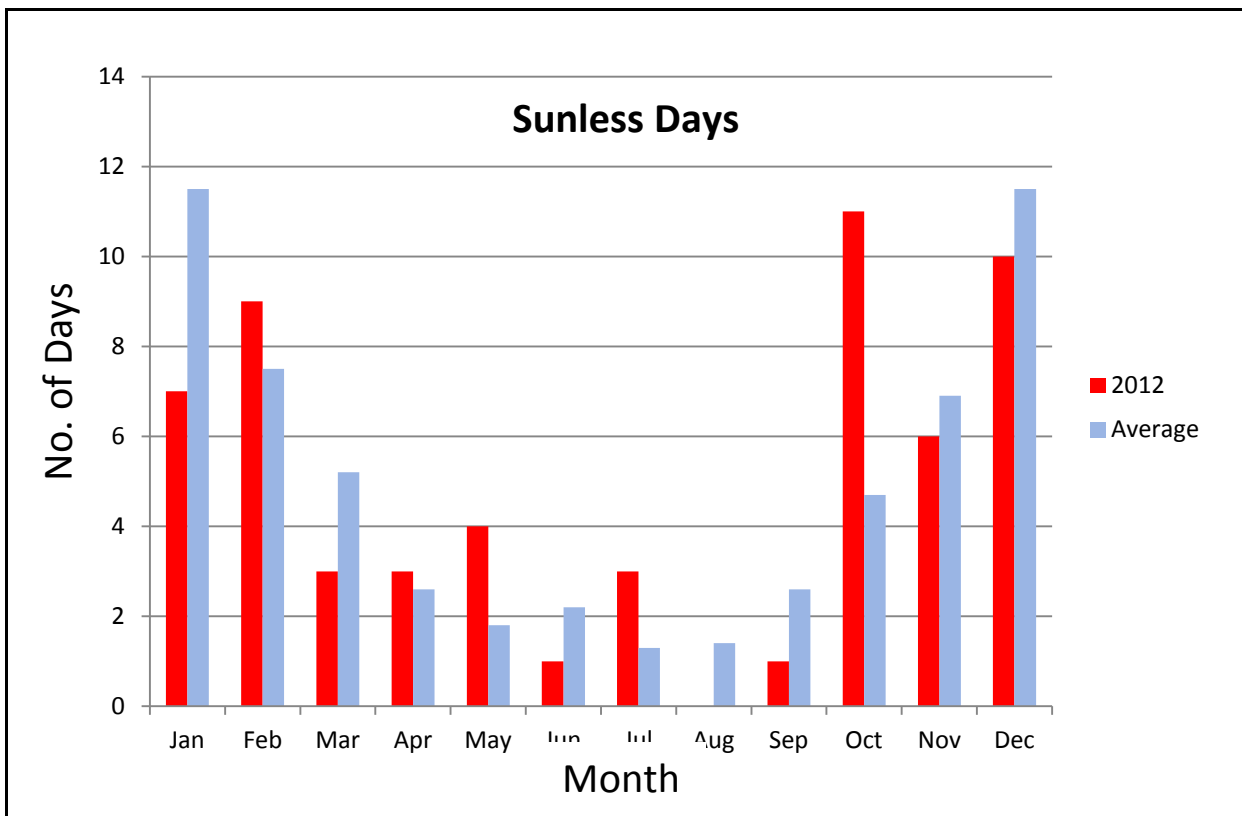
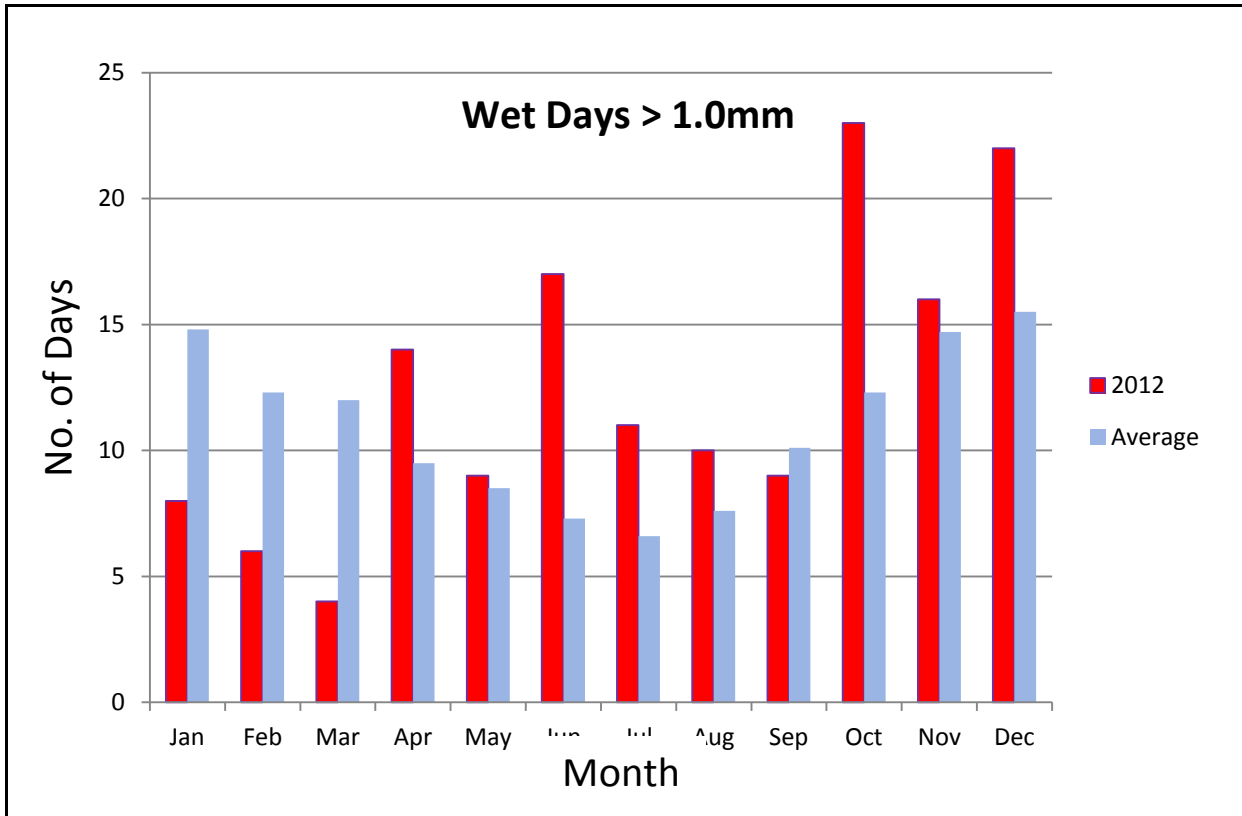
Guernsey Met Office



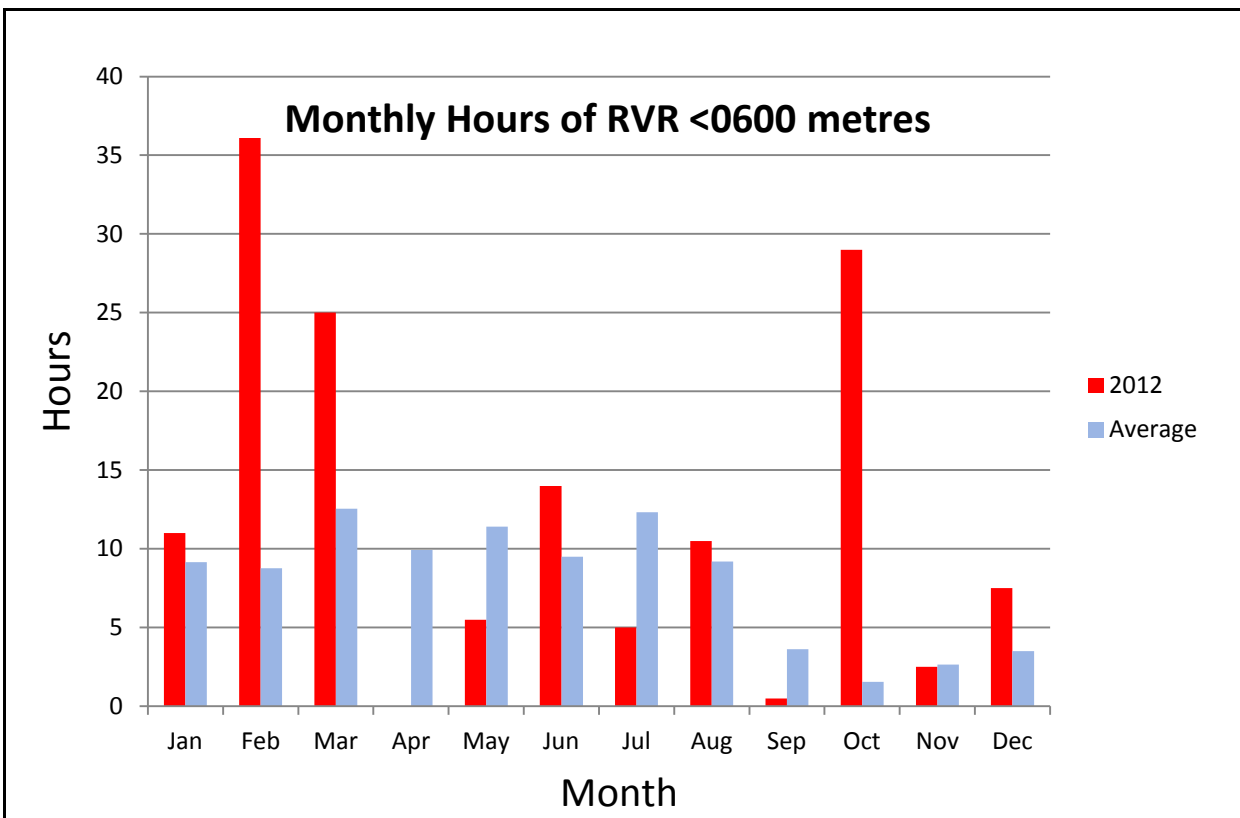
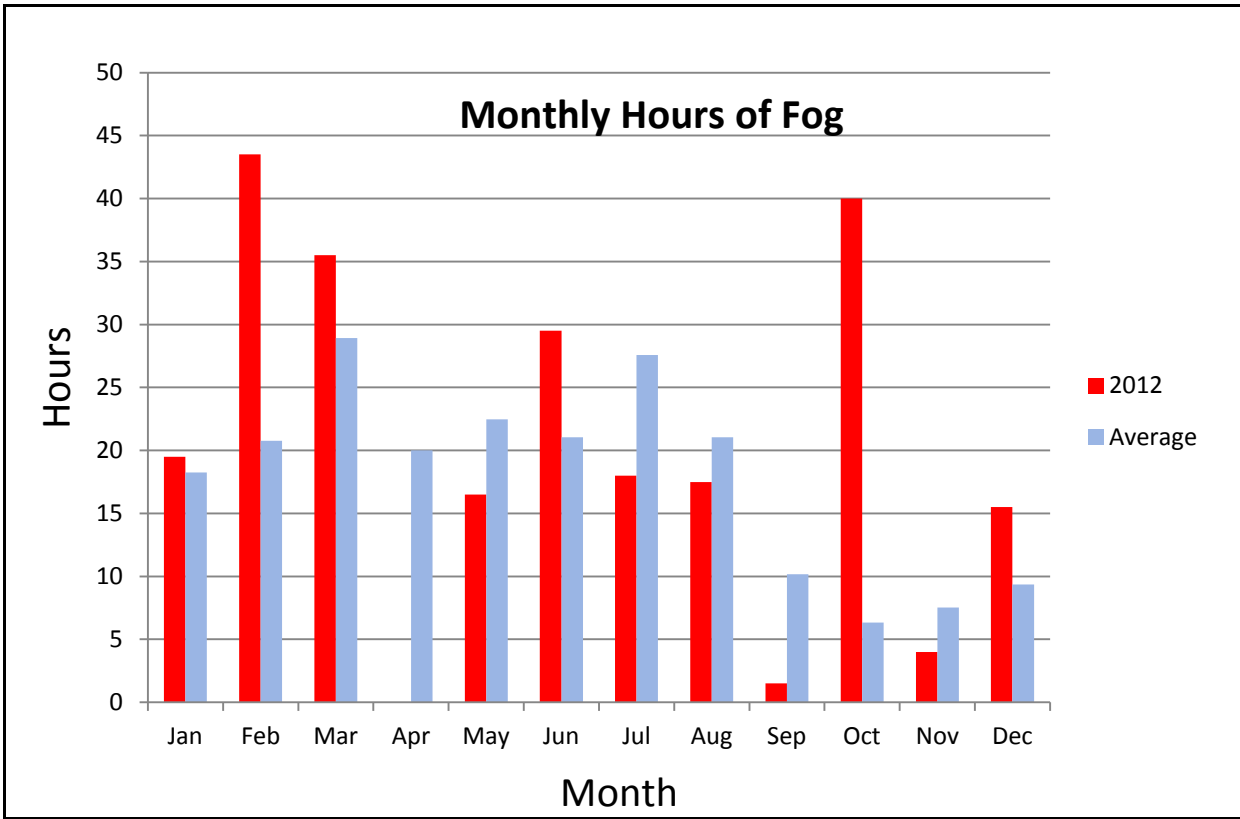
Guernsey Met Office



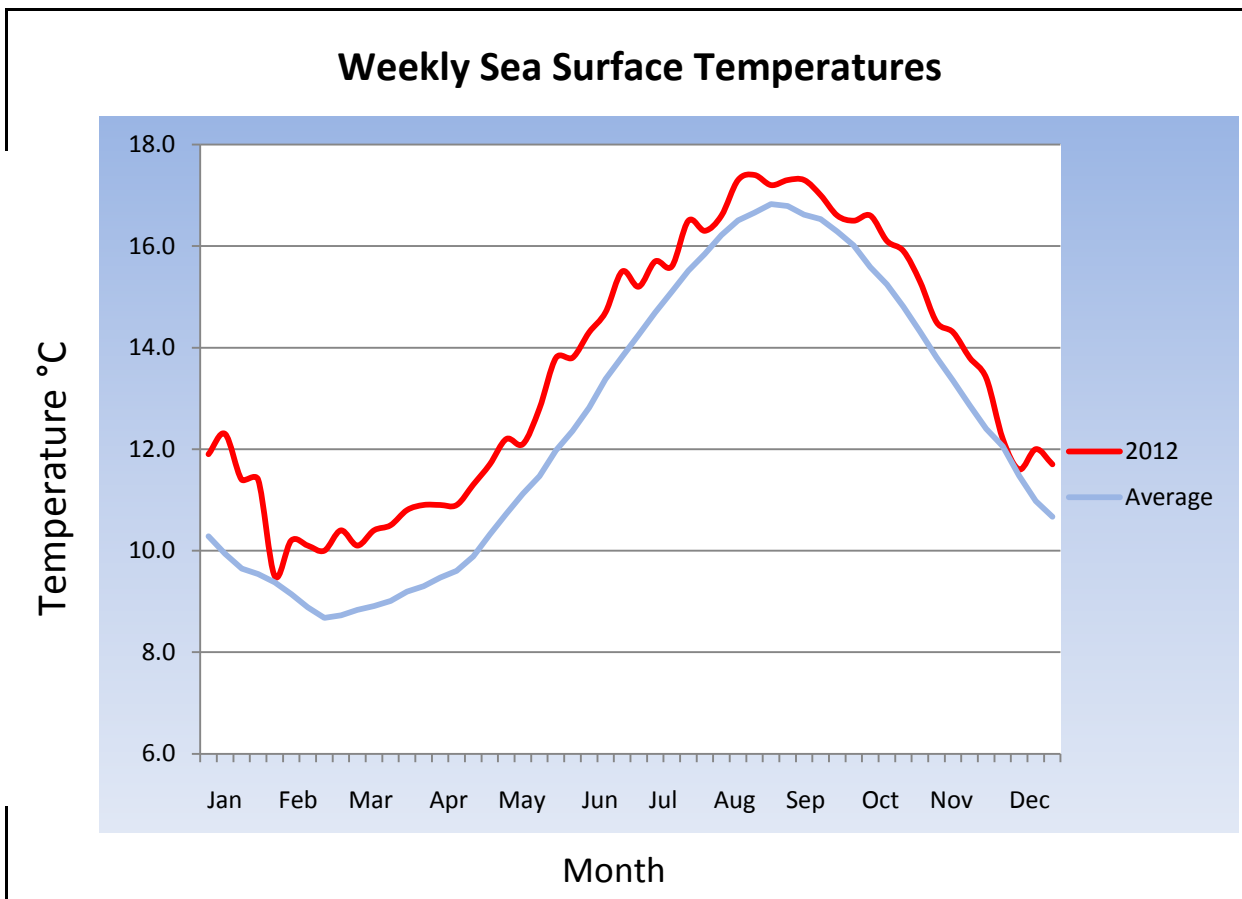
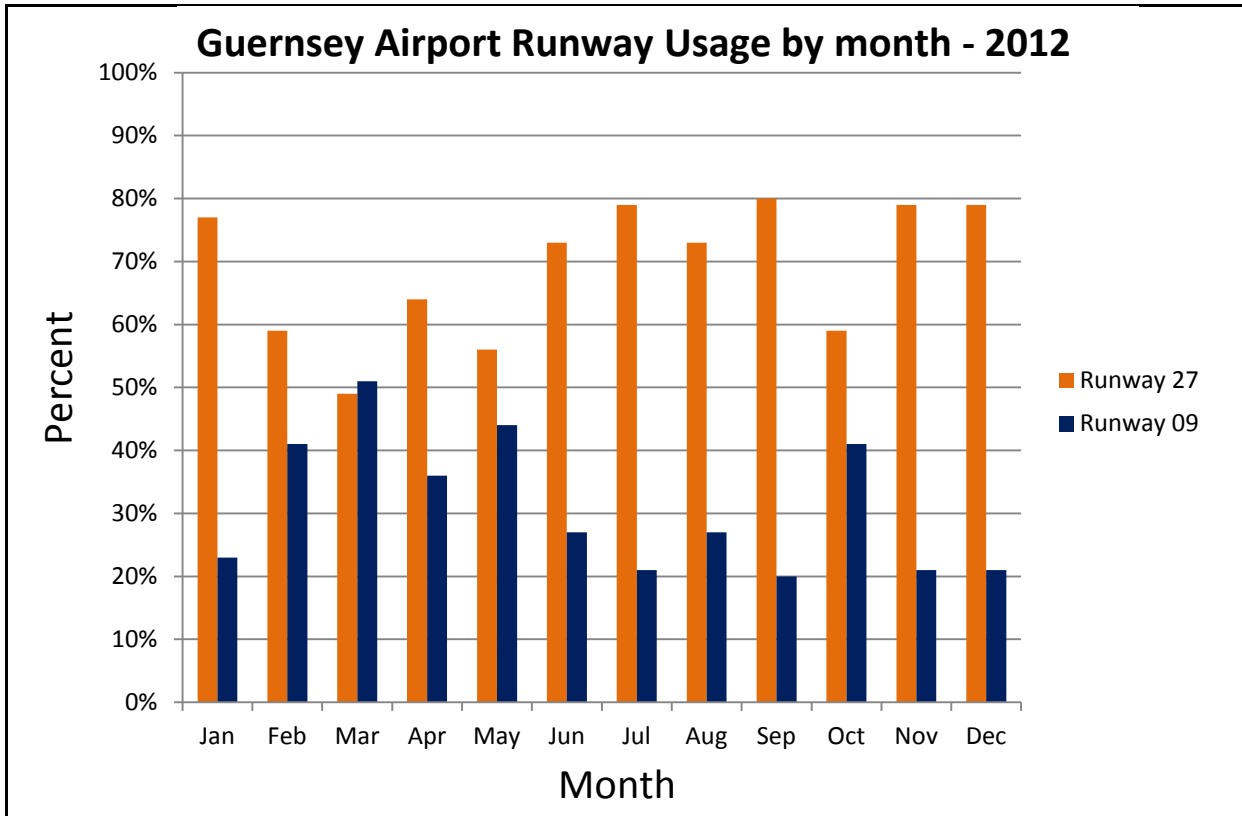
Guernsey Met Office



Guernsey Met Office



Guernsey Met Office



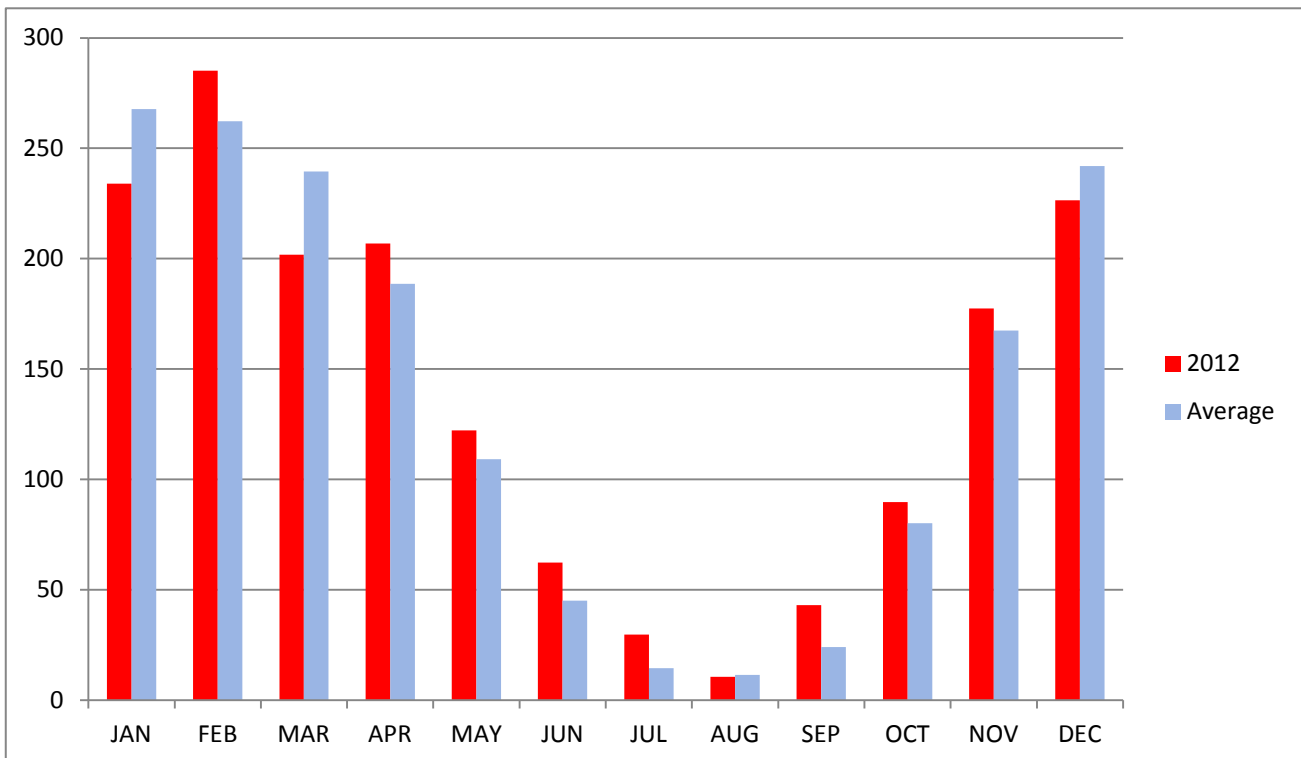
Guernsey Met. Office

Degree Days

Monthly accumulated Degree Days below 15.5°C
 (Average figures use data from 1981 - 2010)

	2012	Average
JAN	234	267.7
FEB	285.2	262.3
MAR	201.8	239.5
APR	206.8	188.6
MAY	122.2	109.1
JUN	62.3	45.1
JUL	29.7	14.5
AUG	10.6	11.4
SEP	43	24.0
OCT	89.8	80.2
NOV	177.4	167.5
DEC	226.4	242.0
YEAR	1689.2	1651.9

Accumulated Degree Days



Guernsey Met. Office

2013 SUMMER WEEKEND TIDES - ST. PETER PORT

All times BST. No responsibility can be accepted for any consequence arising out of the use of these tables.

Day	Month	High Water				Low Water			
		Time	Height (m)	Time	Height (m)	Time	Height (m)	Time	Height (m)
Sat 04	May	02:17	7.4	15:06	7.3	08:58	2.9	21:35	3.2
Sun 05	May	03:36	7.6	16:15	7.6	10:10	2.7	22:41	2.8
Sat 11	May	08:13	8.8	20:25	8.9	02:18	1.6	14:32	1.7
Sun 12	May	08:47	8.7	20:57	8.8	02:50	1.7	15:02	1.9
Sat 18	May	00:00	7.2	12:43	6.9	06:32	3.5	19:01	3.7
Sun 19	May	01:04	7.1	13:57	6.9	07:47	3.5	20:20	3.6
Sat 25	May	07:16	9.2	19:41	9.5	01:19	1.2	13:43	1.1
Sun 26	May	08:07	9.4	20:28	9.7	02:08	0.8	14:31	1.0
Sat 01	June	00:36	8.0	13:14	7.6	07:12	2.6	19:39	3.1
Sun 02	June	01:41	7.6	14:23	7.4	08:18	2.9	20:52	3.2
Sat 08	June	07:13	8.4	19:27	8.6	01:15	2.1	13:31	2.1
Sun 09	June	07:51	8.5	20:03	8.7	01:53	2.0	14:07	2.0
Sat 15	June	11:21	7.6	23:35	7.5	05:15	2.8	17:33	3.1
Sun 16	June			12:09	7.4	06:00	3.0	18:24	3.3
Sat 22	June	06:06	8.6	18:34	9.0			12:33	1.7
Sun 23	June	07:02	9.0	19:26	9.4	01:01	1.3	13:28	1.3
Sat 29	June	11:48	8.3			05:51	1.8	18:10	2.3
Sun 30	June	00:07	8.2	12:37	7.8	06:39	2.4	19:00	2.9
Sat 06	July	06:09	7.8	18:25	8.1	00:09	2.8	12:26	2.7
Sun 07	July	06:52	8.1	19:05	8.4	00:52	2.5	13:07	2.4
Sat 13	July	10:22	8.2	22:33	8.3	04:21	2.2	16:35	2.4
Sun 14	July	10:58	8.0	23:11	8.1	04:54	2.4	17:11	2.6
Sat 20	July	04:46	7.9	17:21	8.3	11:16	2.5	23:50	2.1
Sun 21	July	05:53	8.4	18:21	8.9			12:20	2.0
Sat 27	July	10:38	9.1	22:54	9.0	04:44	1.0	17:00	1.5
Sun 28	July	11:16	8.6	23:33	8.3	05:22	5.6	17:38	2.1
Sat 03	August	04:57	7.0	17:16	7.4	11:12	3.4	23:46	3.1
Sun 04	August	05:47	7.5	18:03	7.9			12:03	3.0
Sat 10	August	09:29	8.8	21:39	8.9	03:30	1.6	15:44	1.8
Sun 11	August	10:00	8.6	22:12	8.7	04:01	1.8	16:15	2.0
Sat 17	August	03:13	7.3	15:59	7.6	09:48	3.3	22:32	2.9
Sun 18	August	04:40	7.7	17:11	8.2	11:08	2.7	23:42	2.2
Sat 24	August	09:34	9.6	21:50	9.6	03:40	0.6	15:57	0.9
Sun 25	August	10:09	9.2	22:24	9.1	04:16	1.1	16:32	1.4
Sat 31	August	03:07	6.4	15:43	6.7	09:20	4.2	22:14	3.9
Sun 01	September	04:31	6.8	16:49	7.2	10:41	3.7	23:18	3.4
Sat 07	September	08:33	9.1	20:45	9.3	02:34	1.4	14:50	1.4
Sun 08	September	09:05	9.1	21:18	9.3	03:07	1.4	15:23	1.4
Sat 14	September	01:24	7.1	14:15	7.2	07:56	3.6	20:55	3.4
Sun 15	September	03:09	7.2	15:51	7.6	09:44	3.4	22:26	2.9
Sat 21	September	08:29	9.8	20:47	9.8	02:35	0.7	14:55	0.8
Sun 22	September	09:05	9.6	21:22	9.5	03:12	0.9	15:30	1.1
Sat 28	September	00:37	6.6	13:02	6.6	06:57	4.3	19:50	4.3
Sun 29	September	02:10	6.4	14:51	6.6	08:32	4.3	21:23	4.1

Astronomical events in 2013

By David Le Conte

This year we have the possibility of two naked-eye comets to look forward to, one of which has the chance of being spectacular. As usual there will be good opportunities for observing the planets, and conditions should be favourable for two major meteor showers. There will, however, be no worthy eclipses. We have to wait until 20 March 2015 for a partial solar eclipse, and 28 September 2015 for a lunar eclipse, which will be total.

VISIBILITY OF THE PLANETS

Mercury will be visible in the periods around its greatest elongations:

Date	Elongation	Direction to look	Time
16 February	18.1° Eastern	Low in west	After sunset
31 March	27.8° Western	Low in East	Before sunrise
12 June	24.3° Eastern	Low in West	After sunset
30 July	20.6° Western	Low in East	Before sunrise
09 October	25.3° Eastern	Low in West	After sunset
18 November	19.5° Western	Low in East	Before sunrise

The best times will be the early evenings in mid-February, the mornings from late July to early August, and mornings in mid-November. It will be very close (0.3°) to Saturn on 26 November, low in the east before sunrise.

Venus continues as the ‘Morning Star’ in the east until March. After superior conjunction on 29 March it will appear in the evenings in the west for the rest of the year. It will be 3½° below Saturn on 18 September, at maximum eastern elongation on 01 November, and maximum brightness (-4.7) on 07 December.

At the beginning of the year **Mars** appears low in the south-west in the early evenings. It will move lower, and will be at superior conjunction on 18 April. It will then start appearing in the morning, low in the east, and will remain visible for the rest of the year, getting higher and higher as the months go by, and moving towards the south. It will be within 1° of Jupiter on 22 July. Its next opposition will be 08 April 2014.

Jupiter was at opposition on 03 December 2012, and will, therefore, continue to dominate the evening skies during the early part of 2013, being visible until the end of May. Towards the end of that month it will make a fine close grouping with Mercury and Venus, low in the north-west after sunset. After superior conjunction on 19 June it will appear before sunrise in July, low in the east, and will then move higher, towards the south, being visible for the remainder of the year.

It should again provide good views of its moons, atmospheric bands on its disc, and the Great Red Spot. Transit, shadow and occultation events involving Jupiter’s moons can

be calculated using a Java script at

<http://www.skyandtelescope.com/observing/objects/planets/3307071.html?page=2&c=y> (remembering to enter the date in the US format: month/day/year). They can also be simulated on software such as StarryNight (<http://www.starrynightstore.com/>).

The transit times of the Great Red Spot can be found at

http://www.skyandtelescope.com/observing/objects/planets/Transit_Times_of_Jupiters_Red_Spot.html. They can also be seen on StarryNight software, but remember to set the Jovian System longitude to the current value (184°).

Saturn starts the year as a morning object, rising in the east by 03.00 UT. It will rise earlier and earlier, and by March will be rising by 23.00. It will reach opposition on 28 April, when it will be visible all night. By May it will appear in the south-east by 21.30 BST. It will remain fairly low, however, being about -10° declination. In the autumn it will be low in the west, and it will disappear by late October.

On 22 March **Uranus** will be just one arc-minute from Mars. It will be at opposition in Pisces on 03 October, at magnitude 5.7. **Neptune** will be at opposition in Aquarius on 27 August at magnitude 8.

DWARF PLANETS

Pluto will reach opposition on 02 July, at magnitude 14, in Sagittarius. In the early part of the year **Ceres**, in Taurus, is well placed for telescopic observation, at magnitude 6.6. The other three dwarf planets (Eris, Makemake and Haumea) are too faint to be seen in most amateur telescopes.

ASTEROIDS

The brightest asteroid, **Vesta**, at magnitude 6.5, is also in Taurus, and should easily be visible in telescopes in the early part of the year. NASA's Dawn spacecraft left it in September 2012, having taken thousands of pictures and amassed huge amounts of data, and is now heading towards dwarf planet asteroid Ceres. Although Vesta appears close to Ceres in the sky, there is a lot of space between them, and Dawn will not arrive at Ceres until February 2015. For more information see <http://dawn.jpl.nasa.gov/>.

ECLIPSES

It is again a poor year for eclipses.

There will be a miniscule and brief partial eclipse of the Moon on 25 April, with it just clipping the edge of the Earth's shadow. It will start at 20.51 BST, shortly after moonrise, and will end barely 32 minutes later, at 21.23. At maximum (21.07) just 2 percent of the Moon will be eclipsed, so it will be hardly noticeable. Nevertheless, it will be our best eclipse of the year! It will be totally within the penumbra part of the shadow, which it will leave at 23.13.

A very minor penumbral eclipse of the Moon will start on the morning of 25 May at 04.42 BST, ending after the Moon sets at 05.30. At maximum, at 05.09, only 4% of it will be in the Earth's penumbral shadow. I challenge anyone to notice this!

There will be a slightly better, but still minor, penumbral eclipse of the Moon on the night of 18/19 October, starting in the late evening, at 22.48 BST, maximum at 00.50, and ending at 02.52. At maximum 79% of the Moon will be in the penumbra.

An annular eclipse of the Sun will be visible from Australia and the South Pacific on 10 May. On 03 November a hybrid annular-total solar eclipse will be visible from Africa.

OCCULTATIONS AND CONJUNCTIONS

On 08 September Spica will be occulted by the 3 day-old Moon during daylight, from 14.40 to 16.05 BST.

A list of planetary conjunctions can be found at [http://en.wikipedia.org/wiki/List_of_conjunctions_\(astronomy\)](http://en.wikipedia.org/wiki/List_of_conjunctions_(astronomy)). The following are the most significant ones.

08 February	Mercury and Mars (0.3°)
22 March	Mars and Uranus (1°)
06 April	Venus and Mars (0.7°)
07 May	Mercury and Mars (0.4°)
25 May	Mercury and Venus (1.4°)
27 May	Mercury and Jupiter (2.4°)
28 May	Venus and Jupiter (1.0°)
20 June	Mercury and Venus (1.9°)
22 July	Mars and Jupiter (0.8°)
18 September	Venus and Saturn (3½°)
26 November	Mercury and Saturn (0.3°)

METEORS

The **Quadrantids** with up to 80 meteors per hour, peak on 03 January. With the Moon near last quarter the conditions are quite favourable. The **Perseids** peak on 12 August, again with up to 80 per hour. Conditions are favourable, especially after the near first-quarter Moon sets at 22.30 BST. The **Leonids**, characterised by fast meteors with persistent trains, peak on 17 November, but coincide with the full Moon. The richest annual shower, the **Geminids**, with some 100 per hour, peaks on the night of 13/14 December, but will also be adversely affected by a bright Moon.

There are, of course, many other, more minor meteor showers during the year, and sporadics may be seen at any time.

COMETS

The most exciting comet appearance could be **Comet ISON** (designated 2012 S1). It was discovered in September 2012 by a telescope in Russia, part of the International Scientific Optical Network (hence its acronymal name). Still very faint at the beginning of 2013, it should appear in the morning sky in September at magnitude 11 – within the reach of our telescopes – when it will be just 2° from Mars. By the end of October it will have brightened, perhaps becoming visible to the naked eye, and reaching a maximum of 54° from the Sun. It will then close rapidly with the Sun, passing within half a degree of Spica on 18 November, and appearing close to Mercury and Saturn on 23 November.

It is predicted to have a perihelion distance (ie closest approach to the Sun) of 0.013 au (just 1.2 million miles) on 28 November, and is therefore classed as a sun-skirting or sungrazing comet. By that time it could be a brilliant naked-eye object, perhaps even visible in daylight, with a possible magnitude of -6 or even -13, but very close to the Sun. Precautions to avoid eye damage must be taken, by blocking out the Sun from view.

On 22 December the comet will pass 5° from the globular cluster M13. Its closest approach to the Earth will be on 26 December, at a distance of 0.4 au (37 million miles). Moving north, it will be some 3° from the north celestial pole around 08 January 2014. By that time it will be fading to beyond naked-eye visibility, but should still be visible in our telescopes.

This all assumes, of course, that the comet will not just fizzle out as some other comets have done, including some which were expected to be equally spectacular.

The other bright comet this year is **PanSTARRS** (2011 L4). It will appear from perihelion in the southern hemisphere to be visible in our northern skies in late March, when it may well be a naked-eye object. It will then be an early evening object in the north-east sky. Its maximum magnitude, although uncertain, is likely to be at least 4, and possibly much brighter, with a 10° tail. Over the next few weeks it will move northwards and higher in the sky, but fading, getting too faint for observation by June.

Detailed comet predictions for 2013 are available on the website of the British Astronomical Association's Comet Section: <http://www.ast.cam.ac.uk/~jds/preds13.pdf>.

Check the Heavens-Above website (www.heavens-above.com) for star charts showing comet positions.

THE SUN

Sunspot numbers (and solar activity) have varied considerably over the last couple of years, but the solar cycle is expected to peak during 2013. Displays of the aurora borealis (and australis) can be expected at high latitudes, and may occasionally be spotted from Guernsey, possibly as a red (or green) glow over the northern horizon. Details of sunspot numbers are at www.ips.gov.au/Solar/1/6, and auroral alerts, with lots of other information, is at www.spaceweather.com.

EQUINOXES AND SOLSTICES

The following are the dates and times of the equinoxes and solstices in 2013:

Vernal Equinox	20 March	11.02 UT
Summer Solstice	21 June	06.04 BST
Autumnal Equinox	22 September	21.44 BST
Winter Solstice	21 December	17.11 UT

SATELLITES

The International Space Station (ISS) is regularly visible from Guernsey, looking like a very bright star crossing our skies from west to east. Also of interest are flashes from the Iridium satellites, and periodic launches of the ISS servicing spacecraft such as Soyuz or SpaceX Dragon. Many other, fainter, satellites appear every night. Details of the times

and directions of visibility (together with sky charts and much more) can be obtained from www.heavens-above.com, linked from our website, www.astronomy.org.gg.

WEA COURSE

The Astronomy Section's annual six-week WEA "Star Gazing" course at the Observatory starts on 07 February. As always, it has sold out, so no places are available on this year's course. Early enrolment is recommended for the 2014 course. It is likely to be announced first at www.wea.org.gg, or telephone WEA Guernsey at 237888.

OPEN DAYS

The Observatory will be open to the public again for a number of Thursday evenings during the year, including weekly openings during the summer holidays (25 July to 29 August). Details will appear in the Astronomy Section newsletters, on the website (www.astronomy.org.gg) and in local media.

REFERENCES

SkyMap Pro and *Starry Night Pro* software
 RAS diary 2013
 Wikipedia

CALENDAR OF ASTRONOMICAL EVENTS

Month	Date	Time	Event
January	02	04.38 UT	Earth at perihelion (147 million km)
January	03		Quadrantid meteor shower (favourable)
Jan-Mar		Morning	Venus visible
Jan-Apr		Evening	Mars visible
Jan-May		Evening	Jupiter visible
Jan-Dec		Morning – Evening	Saturn visible
February	07	20.00 UT	WEA course starts at Observatory
February	08	After sunset	0.3° conjunction of Mercury and Mars
February	16	After sunset	Mercury at greatest eastern elongation
March	14	20.00 UT	WEA course – final class
March	20	11.02 UT	Vernal Equinox
March	22	After sunset	1 arc-min conjunction of Mars and Uranus
March	Late	Early evening	Comet PanSTARRS appears in north-east
March	29		Venus at superior conjunction
March	31	01.00 UT	BST starts
March	31	Before sunrise	Mercury at greatest western elongation
April- Dec		Evening	Venus visible
April	06	After sunset	0.7° conjunction of Venus and Mars
April	18		Mars at superior conjunction
April	25	20.51 - 21.23 BST	Minor partial umbral eclipse of the Moon
April	28		Saturn at opposition
May- Dec		Morning	Mars visible
May	07	Before sunrise	0.4° conjunction of Mercury and Mars
May	25	04.42 - 05.30 BST	Minor partial penumbral eclipse of Moon

May	25	Early evening	1.4° conjunction of Mercury and Venus
May	27	Early evening	2.4° conjunction of Mercury and Jupiter
May	28	Early evening	1° conjunction of Venus and Jupiter
June	12	After sunset	Mercury at greatest eastern elongation
June	19		Jupiter at superior conjunction
June	20	Early evening	1.9° conjunction of Mercury and Venus
June	21	06.04 BST	Summer Solstice
July – Dec		Morning	Jupiter visible
July	02	All night	Pluto at opposition (magnitude 14)
July	05	15.44 BST	Earth at aphelion (152 million km)
July	22	Morning	0.8° conjunction of Mars and Jupiter
July	25	Evening	Observatory Open Evenings start
July	30	Before sunrise	Mercury at greatest western elongation
August	12		Perseid meteor shower (favourable)
August	27	All night	Neptune at opposition (magnitude 8)
August	29	Evening	Observatory Open Days end
September		Morning	Comet ISON appears (faint)
September	08	14.40 - 16.05 BST	Daytime occultation of Spica by the Moon
September	18	Evening	3½° conjunction of Venus and Saturn
September	22	21.44 BST	Autumnal Equinox
October	03	All night	Uranus at opposition (magnitude 5.7)
October	09	After sunset	Mercury at greatest eastern elongation
October	18/19	22.48 to 02.52 BST	Partial penumbral eclipse of the Moon
October	27	02.00 BST	BST ends
October	End	Morning	Comet ISON greatest elongation; bright
November	01	Evening	Venus at maximum eastern elongation
November	17		Leonid meteor shower (unfavourable)
November	18	Morning	Comet ISON close to Spica (0.5 degrees)
November	18	Before sunrise	Mercury at greatest western elongation
November	23	Morning	Comet ISON close to Mercury and Saturn
November	26	Before sunrise	0.3° conjunction of Mercury and Saturn
November	28	Morning	Comet ISON at perihelion (0.013 au)
December	07	Evening	Venus at maximum brightness (-4.7)
December	13/14		Geminid meteor shower (unfavourable)
December	21	17.11 UT	Winter Solstice
December	22	Morning	Comet ISON 5° from M13 globular cluster
December	26	Morning	Comet ISON at perigee (0.4 au)

Appendix X

Lihou Island - Causeway Opening Times - 2013

All times BST. No responsibility can be accepted for any consequence arising out of the use of these tables.

Date	Opens	Closes	Date	Opens	Closes	Date	Opens	Closes	Date	Opens	Closes	Date	Opens	Closes
01-May	17:11	18:16	01-Jun	Closed		01-Jul	Closed		01-Aug	Closed		01-Sep	Closed	
02-May		Closed	02-Jun	Closed		02-Jul	Closed		02-Aug	Closed		02-Sep	Closed	
03-May		Closed	03-Jun	Closed		03-Jul	Closed		03-Aug	Closed		03-Sep	Closed	
04-May		Closed	04-Jun	Closed		04-Jul	Closed		04-Aug	Closed		04-Sep	11:52	14:02
05-May		Closed	05-Jun	Closed		05-Jul	Closed		05-Aug	Closed		05-Sep	12:11	14:57
06-May	10:18	11:53	06-Jun	11:27	12:48	06-Jul	Closed		06-Aug	12:18	14:26	06-Sep	12:39	15:41
07-May	10:44	13:02	07-Jun	11:50	13:46	07-Jul	12:19	13:50	07-Aug	12:41	15:17	07-Sep	13:11	16:19
08-May	11:15	13:55	08-Jun	12:18	14:34	08-Jul	12:39	14:46	08-Aug	13:11	15:58	08-Sep	13:46	16:51
09-May	11:48	14:41	09-Jun	12:51	15:14	09-Jul	13:08	15:30	09-Aug	13:44	16:32	09-Sep	14:25	17:19
10-May	12:23	15:19	10-Jun	13:27	15:47	10-Jul	13:42	16:06	10-Aug	14:20	17:02	10-Sep	15:14	17:41
11-May	13:00	15:51	11-Jun	14:07	16:13	11-Jul	14:19	16:36	11-Aug	15:00	17:26	11-Sep	16:27	17:49
12-May	13:40	16:16	12-Jun	14:55	16:32	12-Jul	15:00	17:00	12-Aug	15:50	17:45	12-Sep	Closed	
13-May	14:25	16:33	13-Jun	16:06	16:27	13-Jul	15:49	17:18	13-Aug	Closed		13-Sep	Closed	
14-May	15:25	16:33	14-Jun	Closed		14-Jul	Closed		14-Aug	Closed		14-Sep	Closed	
15-May		Closed	15-Jun	Closed		15-Jul	Closed		15-Aug	Closed		15-Sep	Closed	
16-May		Closed	16-Jun	Closed		16-Jul	Closed		16-Aug	Closed		16-Sep	Closed	
17-May		Closed	17-Jun	Closed		17-Jul	Closed		17-Aug	Closed		17-Sep	10:48	12:59
18-May		Closed	18-Jun	Closed		18-Jul	Closed		18-Aug	Closed		18-Sep	11:11	14:11
19-May		Closed	19-Jun	Closed		19-Jul	Closed		19-Aug	10:58	13:15	19-Sep	11:44	15:07
20-May		Closed	20-Jun	Closed		20-Jul	10:45	11:45	20-Aug	11:25	14:30	20-Sep	12:21	15:54
21-May		Closed	21-Jun	10:29	12:32	21-Jul	11:01	13:29	21-Aug	12:01	15:30	21-Sep	13:00	16:32
22-May	10:18	11:54	22-Jun	11:03	13:51	22-Jul	11:36	14:43	22-Aug	12:40	16:19	22-Sep	13:41	17:03
23-May	10:38	13:17	23-Jun	11:44	14:57	23-Jul	12:17	15:44	23-Aug	13:21	17:01	23-Sep	14:27	17:23
24-May	11:13	14:22	24-Jun	12:28	15:55	24-Jul	12:59	16:36	24-Aug	14:04	17:34	24-Sep	15:25	17:28
25-May	11:54	15:19	25-Jun	13:15	16:46	25-Jul	13:44	17:21	25-Aug	14:52	17:58	25-Sep	Closed	
26-May	12:38	16:09	26-Jun	14:04	17:31	26-Jul	14:31	17:57	26-Aug	15:53	18:06	26-Sep	Closed	
27-May	13:26	16:55	27-Jun	14:57	18:10	27-Jul	15:23	18:25	27-Aug	Closed		27-Sep	Closed	
28-May	14:18	17:36	28-Jun	15:57	18:41	28-Jul	16:30	18:39	28-Aug	Closed		28-Sep	Closed	
29-May	15:18	18:11	29-Jun	17:17	18:58	29-Jul		Closed	29-Aug	Closed		29-Sep	Closed	
30-May	16:33	18:40	30-Jun	Closed		30-Jul		Closed	30-Aug	Closed		30-Sep	Closed	
31-May		Closed				31-Jul		Closed	31-Aug	Closed				

DANGER: Causeway closing times can vary by up to 20 minutes due to weather conditions. Return to Guernsey before the causeway closure time.

Please be aware of the rapidly rising tide and do not attempt to cross the causeway if it is submerged at any point.

Guernsey Met. Office

2013 Official Guernsey Ormering Tides

Day & Month	Predicted Height (m)	Time	Day & Month	Predicted Height (m)	Time
Fri 11 Jan	1.3	12:21	Sun 10 Feb	0.8	12:58
Sat 12 Jan	0.9	13:12	Mon 11 Feb	0.5	13:42
Sun 13 Jan	0.6	13:59	Tue 12 Feb	0.5	14:22
Sun 27 Jan	1.8	13:05	Fri 25 Feb	1.6	12:42
Mon 28 Jan	1.6	13:41	Sat 26 Feb	1.3	13:19
Tue 29 Jan	1.5	14:15	Sun 27 Feb	1.1	13:55

Day & Month	Predicted Height (m)	Time	Day & Month	Predicted Height (m)	Time
Mon 11 Mar	0.9	12:37	Wed 10 Apr	1.1	12:51
Tue 12 Mar	0.7	13:19	Thu 11 Apr	1.1	13:27
Wed 13 Mar	0.7	13:56	Fri 12 Apr	1.3	14:00
Wed 27 Mar	1.1	12:52	Thu 25 Apr	1.2	12:21
Thu 28 Mar	0.9	13:30	Fri 26 Apr	0.9	13:05
Fri 29 Mar	0.8	14:07	Sat 27 Apr	0.8	13:47

All times local

Phases of the Moon - 2013

New Moon	First Quarter	Full Moon	Last Quarter
			5th Jan
11th Jan	18th Jan	27th Jan	3rd Feb
10th Feb	17th Feb	25th Feb	4th Mar
11th Mar	19th Mar	27th Mar	3rd Apr
10th Apr	18th Apr	25th Apr	2nd May
10th May	18th May	25th May	31st May
8th Jun	16th Jun	23rd Jun	30th Jun
8th Jul	16th Jul	22nd Jul	29th Jul
6th Aug	14th Aug	21st Aug	28th Aug
5th Sep	12th Sep	19th Sep	27th Sep
5th Oct	11th Oct	18th Oct	26th Oct
3rd Nov	10th Nov	17th Nov	25th Nov
3rd Dec	9th Dec	17th Dec	25th Dec

GUERNSEY AIRPORT SUNRISE/SUNSET TIMES

2013 Sunrise and Sunset Times for Guernsey Airport, 49°26'N 02°36'W (calculated for sea-level)

Times are UTC (=GMT)

13 DY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		13 DY														
	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS															
1	T	0806	1622	F	0742	1707	F	0653	1753	M	0547	1842	W	0448	1928	S	0409	2008	M	0408	2020	T	0442	1951	S	0526	1853	T	0610	1749	F	0659	1649	S	0745	1614	1		
2	W	0806	1623	S	0741	1708	S	0651	1755	T	0545	1843	T	0447	1929	S	0408	2009	T	0409	2020	F	0443	1949	M	0528	1851	W	0612	1747	S	0700	1647	M	0746	1613	2		
3	T	0806	1624	S	0739	1710	S	0649	1757	W	0543	1845	F	0445	1931	M	0408	2010	W	0410	2019	S	0445	1948	T	0529	1849	T	0613	1745	S	0702	1645	T	0747	1613	3		
4	F	0806	1625	M	0738	1712	M	0647	1758	T	0541	1847	S	0443	1932	T	0407	2011	T	0410	2019	S	0446	1946	W	0531	1847	F	0615	1743	M	0704	1644	W	0749	1612	4		
5	S	0806	1626	T	0736	1713	T	0645	1800	F	0539	1848	S	0442	1934	W	0406	2012	F	0411	2019	M	0447	1944	T	0532	1845	S	0616	1740	T	0705	1642	T	0750	1612	5		
6	S	0805	1628	W	0735	1715	W	0643	1801	S	0537	1850	M	0440	1935	T	0406	2013	S	0412	2018	T	0449	1943	F	0534	1843	S	0618	1738	W	0707	1641	F	0751	1612	6		
7	M	0805	1629	T	0733	1717	T	0641	1803	S	0535	1851	T	0438	1936	F	0405	2014	S	0413	2017	W	0450	1941	S	0535	1841	M	0619	1736	T	0709	1639	S	0752	1612	7		
8	T	0805	1630	F	0731	1718	F	0639	1805	M	0533	1853	W	0437	1938	S	0405	2014	M	0414	2017	T	0452	1939	S	0537	1839	T	0621	1734	F	0710	1638	S	0753	1611	8		
9	W	0804	1631	S	0730	1720	S	0636	1806	T	0531	1854	T	0435	1939	S	0405	2015	T	0415	2016	F	0453	1938	M	0538	1836	W	0622	1732	S	0712	1636	M	0754	1611	9		
10	T	0804	1633	S	0728	1722	S	0634	1808	W	0529	1856	F	0434	1941	M	0404	2016	W	0415	2016	S	0454	1936	T	0539	1834	T	0624	1730	S	0713	1635	T	0755	1611	10		
11	F	0803	1634	M	0726	1723	M	0632	1809	T	0527	1857	S	0432	1942	T	0404	2016	T	0416	2015	S	0456	1934	W	0541	1832	F	0625	1728	M	0715	1633	W	0756	1611	11		
12	S	0803	1635	T	0725	1725	T	0630	1811	F	0525	1859	S	0431	1944	W	0404	2017	F	0417	2014	M	0457	1933	T	0542	1830	S	0627	1726	T	0717	1632	T	0757	1611	12		
13	S	0802	1637	W	0723	1727	W	0628	1813	S	0522	1900	M	0429	1945	T	0404	2018	S	0418	2013	T	0459	1931	F	0544	1828	S	0628	1724	W	0718	1631	F	0758	1611	13		
14	M	0801	1638	T	0721	1729	T	0626	1814	S	0520	1902	T	0428	1946	F	0404	2018	S	0419	2012	W	0500	1929	S	0545	1826	M	0630	1722	T	0720	1629	S	0759	1611	14		
15	T	0801	1640	F	0720	1730	F	0624	1816	M	0518	1903	W	0427	1948	S	0403	2019	M	0421	2012	T	0502	1927	S	0547	1823	T	0632	1720	F	0721	1628	S	0800	1611	15		
16	W	0800	1641	S	0718	1732	S	0622	1817	T	0516	1905	T	0425	1949	S	0403	2019	T	0422	2011	F	0503	1925	M	0548	1821	W	0633	1718	S	0723	1627	M	0801	1612	16		
17	T	0759	1643	S	0716	1734	S	0620	1819	W	0514	1906	F	0424	1951	M	0403	2019	W	0423	2010	S	0505	1923	T	0550	1819	T	0635	1716	S	0725	1626	T	0801	1612	17		
18	F	0758	1644	M	0714	1735	M	0617	1820	T	0512	1908	S	0423	1952	T	0404	2020	T	0424	2009	S	0506	1921	W	0551	1817	F	0636	1714	M	0726	1625	W	0802	1612	18		
19	S	0757	1646	T	0712	1737	T	0615	1822	F	0511	1909	S	0421	1953	W	0404	2020	F	0425	2008	M	0507	1920	T	0552	1815	S	0638	1712	T	0728	1624	T	0803	1613	19		
20	S	0756	1647	W	0710	1739	W	0613	1823	S	0509	1911	M	0420	1954	T	0404	2020	S	0426	2007	T	0509	1918	F	0554	1813	S	0639	1710	W	0729	1623	F	0803	1613	20		
21	M	0755	1649	T	0709	1740	T	0611	1825	S	0507	1912	T	0419	1956	F	0404	2020	S	0427	2005	W	0510	1916	S	0555	1810	M	0641	1708	T	0731	1621	S	0804	1613	21		
22	T	0754	1650	F	0707	1742	F	0609	1827	M	0505	1914	W	0418	1957	S	0404	2021	M	0429	2004	T	0512	1914	S	0557	1808	T	0643	1706	F	0732	1621	S	0804	1614	22		
23	W	0753	1652	S	0705	1744	S	0607	1828	T	0503	1916	T	0417	1958	S	0404	2021	T	0430	2003	F	0513	1912	M	0558	1806	W	0644	1704	S	0734	1620	M	0805	1615	23		
24	T	0752	1653	S	0703	1745	S	0605	1830	W	0501	1917	F	0416	1959	M	0405	2021	W	0431	2002	S	0515	1910	T	0600	1804	T	0646	1703	S	0735	1619	T	0805	1615	24		
25	F	0751	1655	M	0701	1747	M	0602	1831	T	0459	1919	S	0415	2001	T	0405	2021	T	0432	2001	S	0516	1908	W	0601	1802	F	0647	1701	M	0737	1618	W	0805	1616	25		
26	S	0750	1657	T	0659	1748	T	0600	1833	F	0457	1920	S	0414	2002	W	0406	2021	F	0434	1959	M	0518	1906	T	0603	1800	S	0649	1659	T	0738	1617	T	0806	1617	26		
27	S	0749	1658	W	0657	1750	W	0558	1834	S	0455	1922	M	0413	2003	T	0406	2021	S	0435	1958	T	0519	1904	F	0604	1757	S	0651	1657	W	0739	1616	F	0806	1617	27		
28	M	0747	1700	T	0655	1752	T	0556	1836	S	0454	1923	T	0412	2004	F	0407	2021	S	0436	1957	W	0521	1902	S	0606	1755	M	0652	1655	T	0741	1616	S	0806	1618	28		
29	T	0746	1702				F	0554	1837	M	0452	1925	W	0411	2005	S	0407	2020	M	0438	1955	T	0522	1900	S	0607	1753	T	0654	1654	F	0742	1615	S	0806	1619	29		
30	W	0745	1703				S	0552	1839	T	0450	1926	T	0410	2006	S	0408	2020	T	0439	1954	F	0523	1858	M	0609	1751	W	0656	1652	S	0744	1614	M	0806	1620	30		
31	T	0743	1705				S	0550	1840				F	0410	2007				W	0440	1952				S	0525	1855				T	0657	1650			T	0806	1621	31