

Guernsey Met Office

2016 Annual Weather Report

Including data from Lihou Island, Alderney and Sark



The 2016 Guernsey Annual Weather Report is produced by

The Guernsey Meteorological Office

On behalf of

The States Trading Supervisory Board

Front cover photo:

The summer of 2016 was the foggiest summer on record since records began at Guernsey Airport in January 1947. The photo shows sea fog which has been driven onto Guernsey's east coast by a light easterly breeze. In the foreground the fog can be seen to be driven upwards over the cliffs at Jerbourg. The upward movement creates turbulence within the fog bank which then finds itself over the warm ground of the peninsula. The fog, which originally formed in a stable layer of the atmosphere just above the cool sea surface cannot tolerate the turbulence and the sun-heated ground and dissipates after progressing no more than two or three hundred metres inland.

The photograph was taken looking north-east from a light aircraft just off the south coast of Guernsey.

Photo credit: Jon Le Ray

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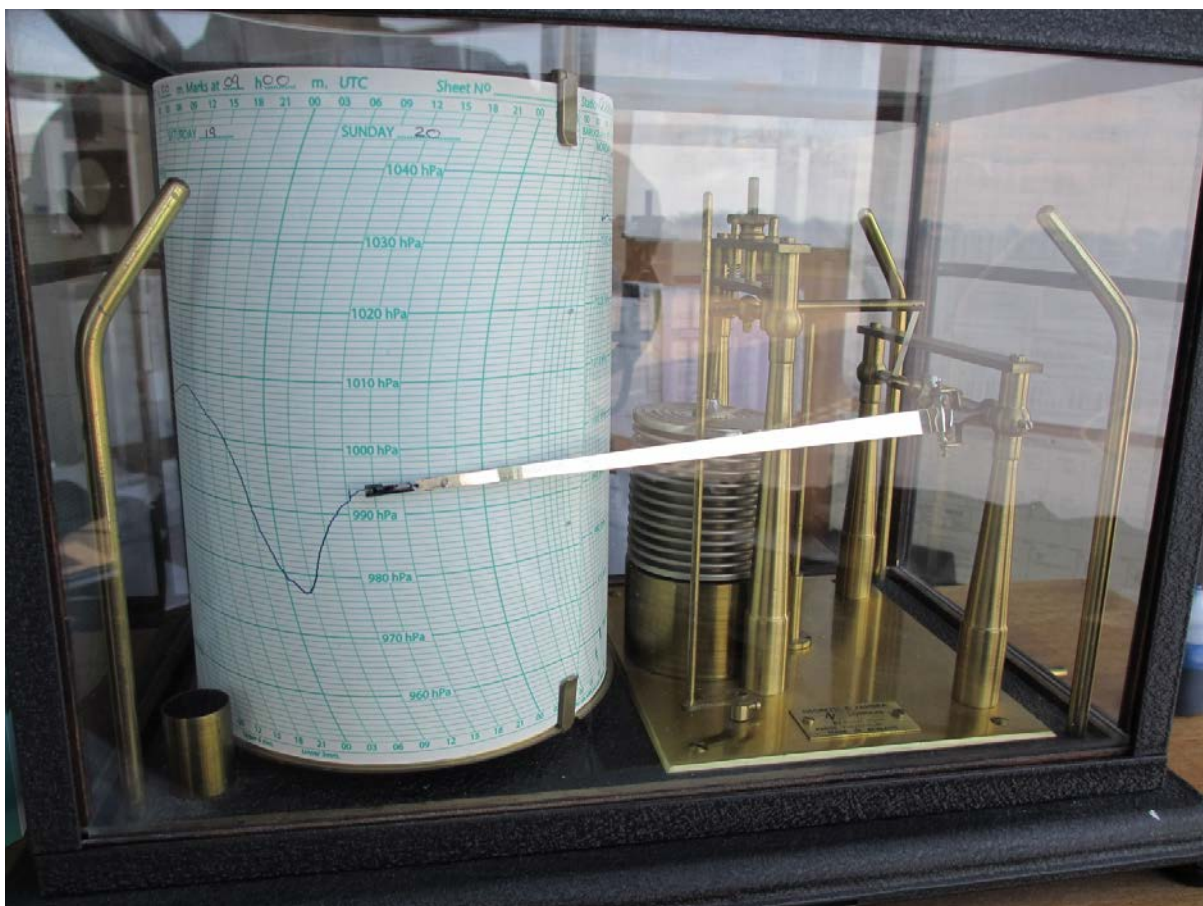
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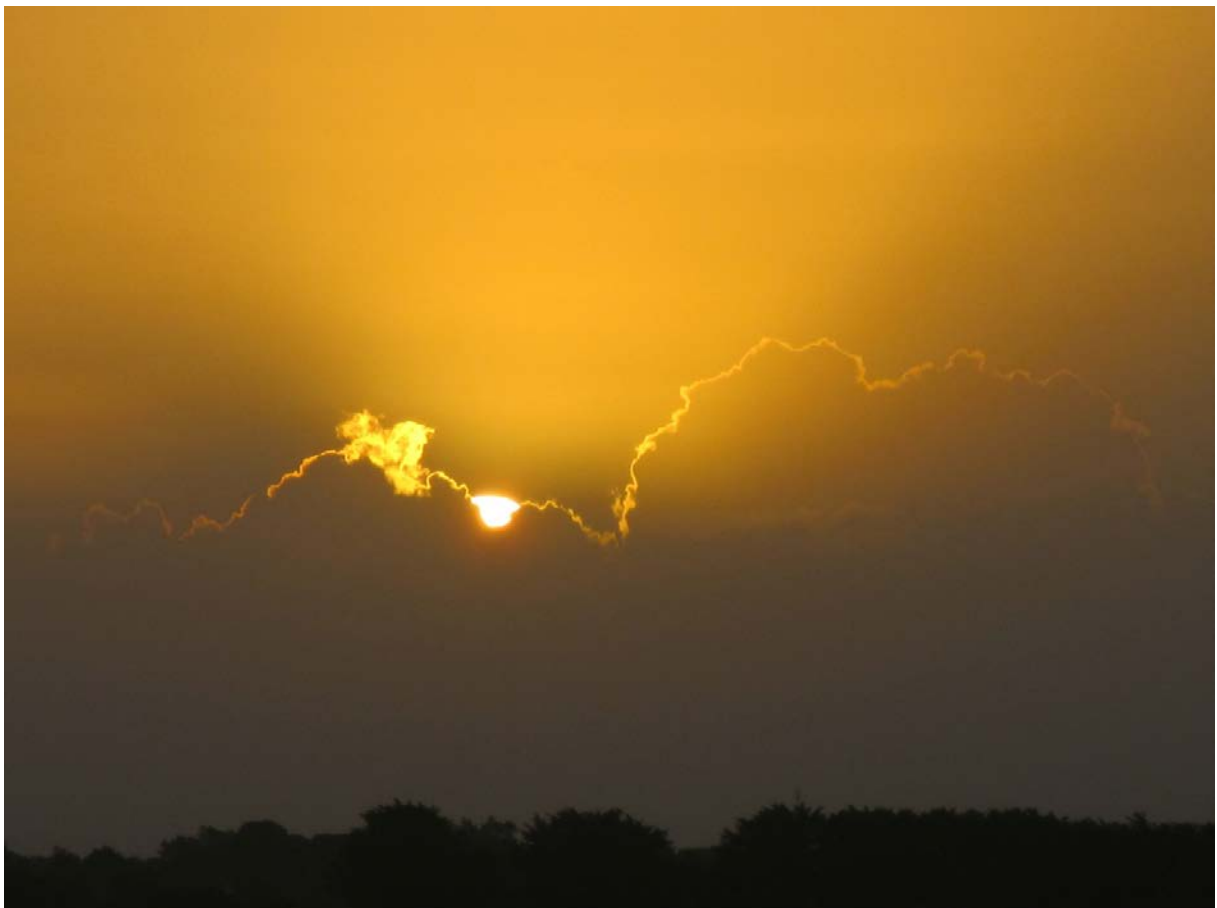
2016 was a year when the weather made regular appearances in the local media as weather records fell or were equalled. The annual climate statistics were not really the story this year; instead it was all about shorter runs of weather patterns and the extremes that they brought. At the start of the year, the eyes of British and French climatologists were fixed firmly on their thermometers because the first month of winter had broken all records for mildness in many locations. Guernsey was no different and after a reasonably mild January, February only needed to be only 0.8°C above normal for the new record to be created. A mild first half of the month drew the record even closer but then the weather patterns changed and with a chilly end to the month, the record was missed – rather agonisingly – by a few hundredths of a degree. As this is well within the operational error of our thermometers, Guernsey Met officially declared the winter as the equal mildest since records began at Guernsey Airport in 1947.



The barograph trace at Guernsey Met Office on the morning after Storm Angus. Steep falls and rises of barometric pressure are usually associated with strong winds. The highest gust on the storm equalled the highest ever recorded in November.

A rather chilly and wet March – the third wetter than normal month in a row – brought brief thoughts that 2016 might be a very wet year but these thoughts were to be buried by later events as one of the main weather stories of the year began unfolding later in the Spring as a rather foggy May caused disruption to airline timetables, resulting in many disgruntled air travellers. The disgruntlement was to increase enormously as the summer of 2016 progressed to claim the highest number of fog days on record for any summer since records began at Guernsey Airport in 1947.

Although temperatures for June were average, the month itself proved to be the foggiest June on record and this, combined with above average rainfall and a sunshine total that proved to be lower than October's, made it one of the worst starts to summer in living memory. Cynical observers of Guernsey's weather generally note that the weather takes a downturn as soon as the school holidays commence, but this year it was already as bad as it could get. In the event, the weather of July and August was to leave mainly pleasant memories for all but air travellers.



The lazy, hazy days of summer really did make an appearance this year. This one occurred on 20th August with the photo being taken from the Guernsey Airport control tower looking towards an obscured Vazon Bay. It's very difficult to photograph haze despite the fact that it is a common meteorological phenomenon. This is our best attempt.

Short but intense heatwaves were the story of the summer and, indeed, September also. On 19th July, the temperature climbed to 32.6°C – a new record for July and the warmest temperature for any month since 2003. August could not manage any all-time records but the 27.8°C recorded on the 23rd was still the warmest August temperature for a number of years. Following a June that was anything but summery, September then masqueraded as a summer month with temperatures reaching 26°C on the 7th.

In between these heatwaves the weather was usually pleasant – apart from the foggy days – but not particularly noteworthy. A pattern of very unremarkable weather interspersed with very noteworthy events was developing and the remainder of the year remained true to this. For an autumnal month, October was remarkably settled with nothing that came even close to a gale. It was also a dry month which dashed any of Guernsey Water's hopes for a speedy re-filling of the reservoir.



By contrast, the November weather was to turn wild on more than one occasion with highlights including very heavy and prolonged thunderstorms on the 18th leading to a thick carpet of hail and slush over the south-west corner of the island together with lightning strikes that damaged properties in St Peters.

The main event of November was, however, Storm Angus, the first named storm of the season. Anemometers around the Bailiwick were sent into overdrive with Alderney Airport recording the top gust of 82 knots. The highest mean wind speed of 60 knots (Force 11) was claimed by Chouet whilst the top gust at Guernsey Airport was 73 knots – equalling the Guernsey Airport record for the month of November.

This funnel cloud formed ominously almost directly above Guernsey Airport at 8.38am on April 17th. Had the funnel touched down, it would have resulted in tornado intensity winds over a portion of the airfield. Light and variable winds suddenly gusted to 36 knots at this point so it is likely that the Airport had a narrow escape from what could have been a very damaging event. The funnel was also filmed from Fort Grey – search YouTube for “tornado cloud Guernsey” for further relevant videos. Photo credit: Chris Archard.

With islanders now fearing a series of damaging gales and storms, weather patterns once again changed abruptly. Instead of being a stormy month, December turned out to be one of the most settled and anticyclonic winter months on record. The month was the driest December since 1879 and the highest wind gust of the entire month was a mere 33 knots. With that, a most unpredictable and unusual year for weather came to an end.



A spectacular sunburst appears momentarily over the Anglo-Normandy Aero-engineering hangar on 25th August. Photo credit: Martin Crozier

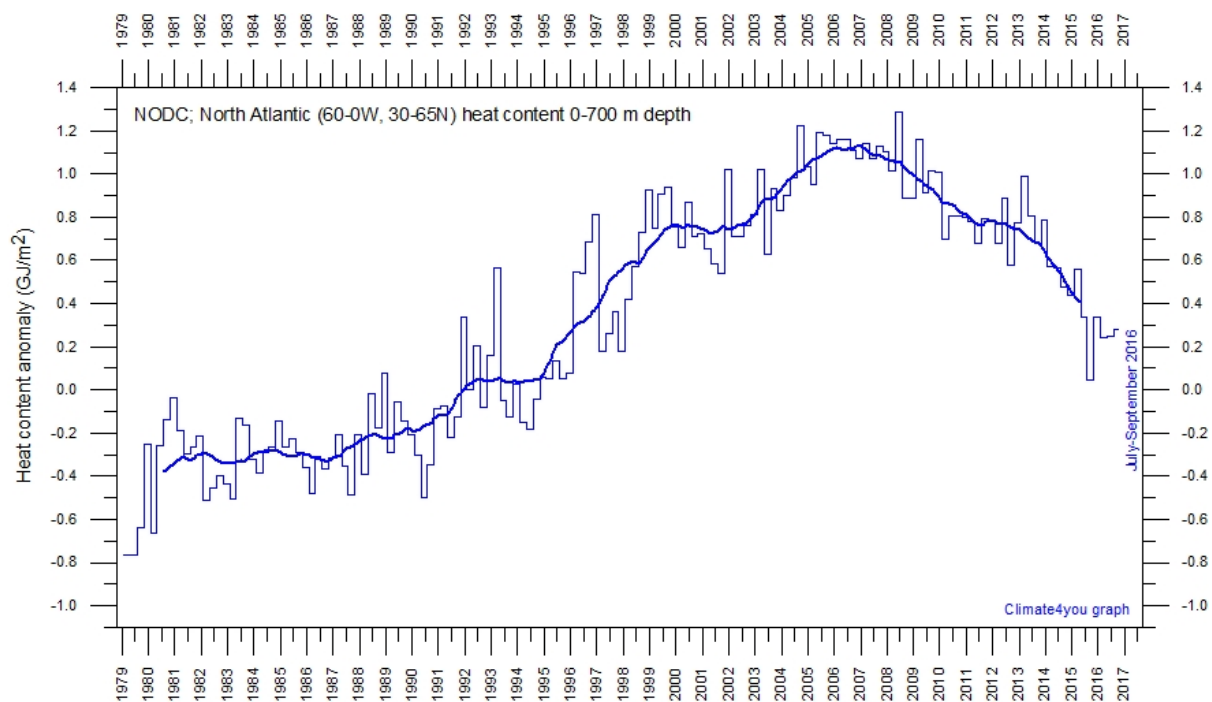
Globally the weather was also creating new records, encouraged by a very strong El Niño event that caused a big spike in the planet's temperatures owing to the vast area of the Pacific Ocean that is affected by this type of natural event. The eastern seaboard of the United States broke many of its low temperature and snowfall records early in the year – the blame for many of them being laid on the massive winter storm Jonas.

By contrast, India broke its national temperature record for heat with 51°C being recorded on May 19th. Also in May, unusually dry and warm conditions coincided with strong winds and a massive wildfire to force a big evacuation of the Canadian town of Fort McMurray which could not be protected and subsequently burned.

In Africa, drought took a firm hold in Ethiopia and in South Africa leading to worries for food supplies in 2017.

Hurricane Matthew became the first Category 5 hurricane for 9 years as it moved through the Caribbean and caused death and devastation as it moved across a portion of Haiti. A great deal of media hype followed as the hurricane moved towards Florida, but in the event, Matthew weakened steadily whilst tracking up the east coast of Florida before finally making landfall as a Category 1 storm in South Carolina. Early winter saw Arctic temperatures at unusually high levels and sea ice amounts unusually low for the time of year as weather patterns repeatedly conveyed mild air up over the pole whilst dispersing the usual frigid arctic temperatures to Canada and Russia.

One global climate trend which may impact more directly on the Bailiwick, however, is the cooling of ocean temperatures to the west of the islands – see the figure below. As our prevailing winds come from the west and are influenced by the temperature of the sea surface, should the trend continue (which is by no means certain) it is possible that this will start to have an effect on our average temperatures. That said, current ocean temperatures have only returned to levels previously experienced in the late 1980s so we are still very much in known territory.



2016 saw the continuing decline of water temperatures in the North Atlantic. The above graph shows this in the form of the heat content of the sea water between the surface and a depth of 700m of a large area of the North Atlantic to the west of the Bailiwick. The graph shows a 10 year decline with current values now barely above the long-term average. The cause for this is still unclear; some scientists believe it is part of a natural cycle whilst others

suspect a weakening of what is commonly known as the Gulf Stream and further theorise that it is occurring as a result of climate change and that – if sustained – would result in a notable drop in temperatures across north-west Europe. Data source – National Oceanographic Data Center with data graphing by www.climate4you.com

2016 saw changes to Guernsey Met Office personnel as our Senior Met Observer (Climatology), Bridget Bonnefin, left us for pastures new and she was replaced as Senior Observer by Chris Archard. Adam Heaume (pictured below) joined us in April before qualifying and validating later in the year.



Finally we were joined by Laura Johns in the autumn of the year after she had successfully completed her degree course.

On a sadder note, Roy Cook from Sark died in 2016. Roy had served as the official Sark Met Observer for many years and continued to take daily weather readings and make observations until he reached his nineties. Having only recently handed over his responsibilities to the new Sark observer, Roy maintained a keen interest in the weather to the end and was always a gracious and welcoming host whenever a staff member from Guernsey visited.

2016 saw the replacement of Guernsey Met's traditional anemometers with ultrasonic instrumentation meaning that the iconic old mast-top instrument with its small whirling

cups – an instrument type that first appeared at the Airport in 1938 – is no more. Also replaced was our cloud base recorder, with the new model being able to detect clouds up to 25,000 feet above the island and also layers of volcanic ash (which can be dangerous to aircraft) should any Icelandic or Italian volcano erupt when winds are directed towards the Bailiwick.

As a section of Guernsey Airport, Guernsey Met Office fell under the new remit of the States Trading Supervisory Board as the old States Public Services Department was abolished during the course of the year. We look forward to a good relationship with the other newly created departments and the further strengthening of inter-departmental cooperation during 2017.

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WEATHER HEADLINES FOR 2016

- January: Duller, wetter and milder than usual – Atlantic frontal systems dominate the weather.
- February: Another wet month. Storm damage on the 8th. Colder temperatures at the end mean that the title of warmest winter on record is missed by a tiny fraction of a degree.
- March: Yet another wet month. Unusual gale force northerlies cause damage and travel chaos on the 9th.
- April: The first month of the year that is drier than normal – a little on the cool side but no severe weather.
- May: Twelve fog days bring an unusual amount of travel disruption at the airport. Otherwise the month is unremarkable.
- June: One of the worst in living memory. The second dullest June since records began in 1894. Cool daytime temperatures and no fewer than 18 days with fog and the consequent air travel disruption.
- July: Another foggy month but with a record setting short heat wave. Temperatures on the 19th reach 32.6°C – the warmest July day since records began at Guernsey Airport and the warmest day since August 2003.
- August: The foggiest summer on record is confirmed but the month again produces a short intense heat wave with 27.8°C recorded on the 23rd.
- September: A warm, dry and pleasant month. Another short heat wave occurs – this time the temperature reaches 26.0°C on the 7th.
- October: Drier and sunnier than normal with very little “autumnal” weather. A burst of violent rain on the 16th yields 1.2mm of rain per minute – one of the highest intensities recorded.
- November: A very autumnal and occasionally violent month of weather brings damage to property. Highlights include a carpet of hail and slush on the 18th with lightning strikes to properties and on the 20th winds reach 60 knots at Chouet (Force 11) and the airport receives a gust of 73 knots – equalling the November record. The first autumn air frost for six years occurs on the 30th.
- December: A very dry and anticyclonic month produces absolutely no memorable weather of any kind.

January

Following the almost unchanging weather pattern and record warmth of December, January at last began to provide some variability of weather and temperature for the winter of 2015/16. To begin with, the signs were subtle as the anticyclone that had sat over central Europe for almost 2 months, receded only slowly to the north and east. However, this then allowed Atlantic depressions to gradually move in over the UK and, in due course, to bring winds from westerly and north-westerly directions rather than the previously ever-present south-south-westerlies.

Weak fronts crossed the islands on New Year's Day giving overcast conditions and some rain or showers but on the following day, the depression responsible for this moved east across southern England giving an even wetter and windier day with a brief gale. More rain following in the early hours of the morning ensured that the day would be the wettest of the month with 16.4mm but the sun also put in its first appearance of the year later on the 3rd in between blustery showers.

With another depression drifting only very slowly across England between the 4th and the 6th, the weather remained very unsettled with showers and longer spells of rain. Rainfall totals began to stack up and give us the first clue that this would be a wet month. Having barely said goodbye to one depression, fronts from a major Atlantic depression moved across the islands on the 7th giving us gales, rain and fog together with the month's highest wind speeds which included a gust to 53 knots.

All traces of the blocked weather patterns of November and December were now gone as multiple fronts raced from west to east across the islands for next few days. The weather changed rapidly between rain, fair intervals, blustery showers – some with hail and lightning – all driven along by fresh to strong winds. The lowest atmospheric pressure of the month – 982mb – was recorded on the 11th and rainfall totals continued to ratchet upwards with 11.4mm being recorded on the 13th. With fields becoming boggy and streams running high, it was therefore something of a relief when a cold front brought colder and much drier air south over the islands on the 14th.

The cold air was to introduce the islands' first – and so far only – cold snap of the winter. Although much of the UK, Germany and eastern France were snow-covered by mid-month, there was never any likelihood that the Bailiwick would be similarly affected as a large anticyclone was moving in from the south west and suppressing all precipitation. Instead, dry but distinctly chilly weather prevailed with night time ground frosts.

By the 18th, the anticyclone was giving ground ahead of small Atlantic low which attempted to re-introduce milder air to the islands but as this milder air reached the stagnant mass of cold air over the continent, the fronts weakened and low filled as it drifted into France. In doing so, however, it produced an east to south-easterly airflow over the islands on the 19th and 20th which in turn pulled in some very cold air from areas that had been snow covered. This led to easily the coldest two days of the month with the lowest temperature on the 20th being recorded at -0.5°C – the only air frost of the winter so far.

By the 21st, milder air was heading back to the islands as fronts edged in from the south-west and a spell of rather gloomy but mild south to south westerlies set in for the next few days. The 21st and 26th were quite wet with over 7mm of rain on both days but between these dates, the weather on most days of the mild spell brought no worse than drizzle and a few hours of fog – provided that you were willing to forgive the lack of sunshine as the period also included four completely sunless days.

The remaining days of the month saw a mainly strong west to south-westerly airflow covering the islands with weather fronts embedded in the flow and frequently affecting the islands. Rainfall totals were quite high with daily rainfall exceeding 10mm on the 27th and the 29th and leading to some of the island's fields going under standing water again. Apart from the 28th, which was a rare fine day sandwiched between two weather systems, sunshine was negligible with occasional mist or fog adding to the gloom – the month ending, as it began, with a sunless day.

Overall, the month of January was rather unremarkable. It was a degree milder than usual but still managed to feel chilly to most people who had just experienced the mildest December on record. It was a little duller than normal, but as people generally expect January to be dull and dreary, few complaints were made. January was also notably wetter than normal but, once again, a number of extremely wet winter months have been endured in recent years. As the month did not produce any significant flooding or very high 24-hour rainfall totals, the rain did not really get into the news headlines as it had in the UK during December.

It may be that, in the fullness of time, we will see January 2016 as a part of the mildest winter on record if February's temperatures are well above normal, however, for the time being, the month must be seen as a relatively normal winter month for Guernsey and one in which unusual events, severe weather and weather damage to infrastructure and property were largely absent.

February

Following the record breaking warmth of December and a January with above normal temperatures, all eyes were on February's temperatures as a reasonably mild February with temperatures only a degree above normal would be sufficient to set a new record for winter mildness. With this in mind, the month began promisingly with a deep depression to the north-west of Scotland bringing a mild south-westerly across the islands, accompanied by much cloud and drizzle. As the cold front cleared through on the following day, however, sunny periods and showers appeared with these persisting through the following day.

A further warm front brought a return to overcast and drizzly conditions on the 4th with fog banks causing a few problems to flights at times. The following day continued in similar vein, but by now the North Atlantic was brewing up some deep depressions and by Saturday 6th, the barometric pressure was falling steeply ahead of a major depression moving east towards Northern Ireland. Strong southerly winds, rain and showers were briefly replaced with less windy conditions by the beginning of the 7th, but with an even deeper depression following quickly on the same track as the previous one, worse was to follow.

Further rain arrived mid-afternoon on the 7th with gale force winds by evening, but the following day was to prove the stormiest day of the winter with gales persisting for much of the day. Several roads were blocked or partially obstructed by fallen trees and large branches and there was also damage to property in some exposed locations. The sodden nature of the soil – with over an inch of rain falling in 48 hours - exacerbated the problem of falling trees as did the squally nature of the winds which were whipped up periodically by passing showers and thunderstorms. Top gusts recorded on the morning of the 7th were 64 knots at the airport and 69 knots at Chouet. Both the daily mean wind speed of 31 knots and the highest gusts recorded were, statistically speaking, representative of a storm that usually only arrives once in 5 years, so the February gale can be regarded as a significant event.

A run of extremely unsettled weather then followed with further depressions and fronts arriving quickly and relentlessly between the 9th and the 13th. The depressions were by now, however, taking a more southerly track and passing near to or over the Channel Islands. This meant that the worst of the strong winds were confined to France, Spain and Portugal, but the pressure pattern certainly did not spare us copious rainfall. Just short of another 2 inches of rain was to fall between the 9th and the 14th – thus ensuring that February's rainfall total would be well above normal even before half the month had passed. Some minor flooding was reported and lakes of water could be observed on many fields before the unsettled weather passed.

The more southerly track of the depressions meant that the mild south-westerlies that had affected the Bailiwick for most of the winter were now pushed away to the south, leaving the islands with colder, variable cyclonic winds. By the 14th, the depressions had sunk even further south towards the Mediterranean and with an anticyclone developing over Iceland, colder drier conditions spread south to the islands. The lowest temperatures of the month were recorded on the 16th with a notably hard ground frost (-6.7°C) occurring that night as an anticyclone with very light winds moved south-east across the Bailiwick that night.

Atlantic fronts then struggled across the Channel on the 17th bringing persistent rain due to their slow speed and the weather began to look unsettled again as further fronts pushed in from the west on the 19th, bring a period of occasional light rain, drizzle and fog which would last until the 23rd. High pressure centred near Iceland then followed, pushing the mild and damp conditions away into the continent and replacing them with a much chillier airflow with winds from between east and north. This was an airflow that was to persist for the remainder of the month and which also brought the only sustained period of below normal temperatures. These lower temperatures were most noticeable on the 27th and 28th when cloudy skies, low humidity levels and fresh north-easterlies upped the wind-chill factor.

By the end of the month, further Atlantic fronts were pushing into Scotland and Ireland, however a ridge of high pressure was holding firm over south-west England, ensuring that the north-easterlies persisted across the islands until the very end of the month. Dry winds, some patchy sunshine and the first real respite from the rain for 2 months had ensured that Guernsey was beginning to dry out as the first days of spring approached.

With the exception of the gales and squalls of the 8th, February did not provide any really notable weather or come close to any weather records. It was a little milder and duller than normal and would have been extremely wet had the rainfall totals of the first half of the month continued into the second half. Even with a drier than normal second half to the month, February still boasted a rainfall total that exceeded normal by 50% - a testament to the extremely unsettled nature of the first two weeks.

For most of the month, it appeared that the winter of 2015/16 would be the warmest on record (as was the case in Jersey), however, the final week of chilly weather took its toll on the figures and ultimately winter 2015/16 fell short of the previous warmest winter (2006/7) by a few hundredths of a degree. As this difference is within the observational error of our instrumentation, the winter of 2015/16 was duly publicised as the joint-warmest on record.

March

As the joint warmest winter on record came to a close, sea temperatures around the islands were well above average, giving rise to the possibility that spring could be both early and warm – assuming favourable weather patterns. The weather patterns did not oblige, however, and winds blew from a southerly quadrant on relatively few days in March. March did, however, provide much variety as far as the weather was concerned with weather-watchers being well entertained by the diversity of the conditions.

The month started with a run of unsettled weather as a complex area of low pressure moved east across Scotland and then ducked down towards Austria. This weather pattern ensured that the mild, drizzly and occasionally foggy weather that started the month was quickly swept away by the evening of the 1st and replaced by a very strong north-westerly. The 2nd of March brought gales and squalls across the islands, with heavy rain, showers, hail, thunder and lightning and a gust to 59 knots all packed into a 24 hour period. A brief intrusion of milder air on the following day brought some rain, drizzle and fog but the hail showers were to return on the 4th, albeit with much lighter winds than before.

By now, a complex area of low pressure was stationed over England and its associated fronts gave us a wet night before the low pressure area began to edge into the North Sea on the 5th. This allowed a cold but mainly dry north to north-westerly airflow to become established over the islands. This in turn ushered in the coldest part of the month with daily mean temperatures between 4 and 6 degrees and night time ground frosts. The reluctance of the depression to move much further away than Denmark combined with a persistent ridge of high pressure over the eastern Atlantic ensured that this weather pattern lasted until the 8th when weak fronts moved in from the west giving drizzle by mid-afternoon.

This weak system was, however, soon overwhelmed by a rapidly deepening depression which tracked along the southern coast of England during the 9th. This led to a stormy day with periods of moderate to heavy rain and with gale force winds being recorded for most of the 24 hour period. The strongest winds followed behind the depression and the unusual direction of the gales (between north and north-west) resulted in a comparatively high number of fallen trees and led to travel disruption across the islands. Travellers' woe was increased by the cancellation of ferries and the delay of many flights which were unable to land at the airport due to strong cross winds.

Having wrought havoc, the depression responsible then filled rapidly on the 10th leaving the Bailiwick with a couple of cool, rather cloudy days which were notable only for the sighting of a funnel cloud around midday on the 11th. With many Bailiwick residents still clearing storm damage, two fine weekend days on the 12th and 13th were much appreciated, although a keen north-easterly breeze made sure that coats were still needed. The fine weather which came as a result of an intense anticyclone refusing to move for several days continued on into the following week also, sadly, accompanied by the chilly north-easterlies. By midweek, the normal pressure pattern was completely inverted with high pressure to the north of Scotland and a depression over the Mediterranean pushing fronts west over the islands.

Weather fronts that move in from the east often do not have sufficient moisture to produce much in the way of rain and such was the case this time. After rainfall figures that had been well above average for the first 10 weeks of the year, a spell of largely dry weather was to be welcomed. During the latter part of the week, cloud amounts increased and the weekend of the 19th and 20th was bleak and sunless with a biting north-easterly breeze but with little more occasional light drizzle as far as any precipitation was concerned. By the following week the persistent anticyclone had begun to retreat away – initially to the west but then sinking south. This began to allow winds to drop and the islands lost the cloudy, cold north-easterly in favour of sunnier north to north-westerlies before the normal Atlantic weather began to reassert itself by Thursday 24th as fronts slowly edged in from the west.

The first of the weather fronts was not particularly active but did produce measurable rainfall for the first time for 14 days as its associated rain and drizzle arrived during the afternoon. This was, however, merely a prelude for some more serious weather which was arriving as part of a complex area of low pressure that moved into the UK over the weekend of the 26th and 27th. Initially, the depressions brought modest amounts of rain and not particularly strong winds, however by the 26th, an additional small depression in the western Atlantic was deepening rapidly and speeding towards the west Channel. This low arrived as a deep and intense feature on the night between Easter Sunday and Easter Monday. Heavy rain and strong winds arrived during the evening of the 27th with gales by late evening. Winds dropped briefly after midnight as the centre of the storm passed close to the islands but returned in full force during the early hours with a peak in the south-westerly winds at around 0315 when the anemometers at Guernsey Airport recorded 45 knots gusting 61 knots – the strongest winds of the month.

The offending depression was then to move away as quickly as it had arrived, leaving the islands in a quieter, showery airflow before fine weather arrived on the 31st accompanied by a strong ridge of high pressure.

Sometimes it appears that weather conditions try to average themselves out over a period of time. March was everything that the early winter was not with widely differing weather patterns, lots of interesting weather and colder than normal temperatures. The first month of spring was, in fact, far more like winter than the first month of winter had been.

April

A ridge of high pressure ensured a dry and mainly sunny start to April albeit on the chilly side, however low pressure in Biscay spiralled up fronts across the islands on the 3rd giving some rainfall in the afternoon. Shallow low pressure stayed in charge of our weather for the next few days giving the odd shower but some pleasant sunshine too.

Atlantic fronts crossed the islands on the 6th bringing some rain and drizzle along with fog patches in the morning before clearing through to be replaced by showers in the afternoon. A fresh WNW'ly flow gave the odd hail shower on the morning of the 7th, but a fine afternoon ensured nearly 10 hours of sunshine.

The 8th started fine as a weak, transient ridge of high pressure crossed the islands but further weak Atlantic fronts arrived later in the day giving a spell of rain around midnight, clearing to more showery conditions in the early hours of the 9th.

The 10th saw low pressure establish itself to the south of Ireland drawing up some milder air from the south., The 10th stayed cloudy but the 11th, 12th and 13th saw a good deal of sunshine with temperatures on the rise, peaking on the 12th with a maximum of 14.9°C. As is often the case with some warm air coming up from the south and low pressure nearby plus some strong sunshine, thundery showers often develop. Indeed, late on the afternoon of the 12th thunderstorms did develop over nearby France and drift northwards. One large storm went to the east of the islands giving a lightning show late in the evening.

The 14th saw fronts arriving from the SW giving us some heavy rain during the afternoon, resulting in the wettest day of the month (6.5mm).

The 15th started to see a battle between mild air to the south of us and colder air to the north. For us this only resulted in a very small amount of showery rain. The 16th saw the colder air win out as air from arctic origins swept southwards across the islands resulting in temperatures taking a nosedive with maximum temperatures on the 16th and 17th staying in single figures and ground frosts at night.

Pressure started to rise during the 17th but still saw a moderate rain and hail shower during the morning as a large shower meandered its way across the island producing a distinct and well photographed funnel cloud as it did so. Pressure continued to rise into the 18th and by the 19th an anticyclone was established over the UK with our winds becoming E'ly allowing temperatures to rise once more on the 20th into the 21st.

Fronts approached the islands from Biscay on the 21st giving rain in the afternoon. These fronts continued to nudge northwards on the 22nd giving rain across Guernsey accompanied by thick fog. These foggy conditions never quite got to Alderney as the winds around Alderney remained E'ly all day as against those in Guernsey which became SW'ly. During the evening of the 22nd these fronts pushed back southwards clearing the fog as cooler air from the north took our temperatures back down.

The 23rd and 24th saw cool but dry conditions and these cool conditions stayed for the remainder of the month. It was cold enough for snow to fall over parts of the UK by the 26th, thankfully for us the channel acts as a warming buffer!

Troughs in the cool NW'ly flow gave some, mainly light rain/hail showers on the 25th, 26th, 27th and 28th with a return of overnight ground frosts on the 27th and 28th. The 29th saw cloudier conditions with a spell of rain during the early afternoon.

A ridge of high pressure gave a much nicer day on the 30th resulting in nearly 14 hours of sunshine, but with temperatures still below normal.

April saw a mixture of cool air from the north mixed in with some shorter spells of milder air from the south. This meant the mean temperature for the month was only slightly below the 30 year average and the intrusion of cold air resulted in 8 overnight ground frosts being recorded. The month was relatively dry with only 50% of the average rainfall and as you would expect with a drier than average month, sunshine was above average. The mean wind speed for the month was 10.1 knots, 1.3 knots below the 30 year average.

May

The month started with a ridge of high pressure lying across the English Channel, but with a weak warm front creeping east into the Channel approaches. Accordingly, the first day started sunny but gradually deteriorated with thickening cloud and some drizzle and light rain by early evening. With falling barometric pressure, the following cold front passed through the islands during the early afternoon of the following day, clearing away the fog and drizzle of the morning. By the 3rd, an anticyclone was starting to become established over the English Channel and the weather turned fine for the next three days giving the sunniest spell of the month. Initially, air temperatures were a little cool – especially at night – with the second ground frost of the month occurring on the 4th. By the 5th, however, the anticyclone was lying to the north-east of the islands with an east to south-easterly airflow bringing increasingly warm air up from the continent. The next few days were to bring the warmest weather of the month, but, as so often happens in this type of synoptic situation, a thundery low crept up from the south-west bringing cloud and thundery showers.

By the 6th, the thundery low was starting to make its presence felt with extensive high cloud and a little showery rain late in the day. The 7th and the 8th both saw maximum temperatures exceeding 20°C but again patchy cloud and scattered showers – with some lightning observed – spoiled the sunshine at times. By Liberation Day, a complex thundery depression over Biscay and western France was deepening and pushing bands of thundery rain northwards. The first rain band arrived late morning, persisted for much of the day, causing problems for event organisers and ensuring a damp flavour to the festivities. A clearance to fine conditions during the evening came too late for most. A second band of occasionally heavy rain arrived early on the 10th giving Liberation Day the unenviable title of the wettest day of the month with 12.3mm.

The complex depression had, by now, established a new centre close to the islands. With little in the way of wind and a damp humid atmosphere, the emphasis turned from rain to fog. Fog was the major story for the next three days and although it was not continuous, the cumulative number of hours of poor visibility ensured that notable delays occurred for air passengers wishing to travel to and from the island. By the 12th, the synoptic situation had changed sufficiently to bring a change of weather. The persistent small depression over the English Channel was dragged off to the south as pressure fell over Germany and after some showery rain and extensive fog through the day, the wind turned towards the north and the fog began to clear reluctantly during the evening.

Over the course of the weekend (14th and 15th), a north to north-easterly airflow established itself bringing much needed clearer, drier air with reasonable amounts of sunshine. The airstream was definitely chilly though, with the maximum temperature on the 14th being only 12.7°C despite almost 9 hours of strong sunshine. Cool temperatures were, in fact, due to prevail for most of the coming week. On the 16th, a strong ridge of high pressure moved east across the UK giving us a fine day, but it was followed by a weak warm front which ensured that the 17th was mainly cloudy and with some mist and fog especially early on. More active weather fronts were to follow on the 18th, as a small depression tracked east across southern Britain giving us our windiest day of the month.

Over the past few days, the Atlantic weather systems had become much more mobile and consequently no sooner had we seen the back of the small depression, a new warm front sped east across the Channel on the 19th giving a cloudy day with rain and drizzle in the afternoon and yet more fog by evening. Although the fog did not take long to clear the following day, the day remained largely cloudy with some light drizzle later. By the 21st, active weather fronts were lying across southern England with small disturbances running along them as they slowly cleared away to the south. This weather recipe usually cooks up a foul weather day for the islands and the 21st was no exception as it turned out to be the third sunless day of the month and yielded over 8mm of rain as well as the inevitable period of fog.

The fronts finally cleared the Channel on the 22nd with the weather brightening considerably once the morning's showery rain and fog had cleared. A chilly north-westerly breeze set in for a while, but the next three days brought long sunny periods as a strong ridge of high pressure moved in from the west before intensifying into an anticyclone centred to the north of Scotland. The strong sunshine helped the days feel very pleasant, but the nights were rather chilly for late May with temperatures falling to 7°C on the 24th.

The anticyclone to the north of Scotland became slow moving for the remainder of the month, giving northern Britain lots of dry and fine weather, but over continental Europe pressure was falling, complex thundery lows were forming and the last week of May would prove to be notably wet in many parts of western continental Europe. By the 26th, weak fronts associated with the continental low pressure were near to the islands giving more cloud and some showers and by evening some warmer, humid air from the continent had arrived. This turned readily to fog, banks of which persisted until mid-morning on the 28th although strong sunshine was generally able to drive it back to the coasts for most of daylight hours.

On the 29th and 30th a north-easterly breeze brought drier air down from the UK and although the continental low pressure continued to pump large amounts of high cloud across the islands, it remained dry with hazy sunshine at times. The continental low had not finished with us, however, as on the last day of the month, a low centred over Germany pushed west and carried its associated frontal system over south-east England and the Channel. The early sunshine was extinguished as cloud thickened and rain arrived by evening.

Thanks to a warm start, May was a little warmer than usual, but also duller and wetter – though not significantly so. It will not be remembered fondly by air travellers, with Guernsey Airport being affected by fog on 12 out of the 31 days. May rounded off a rather unremarkable spring that turned to be just a little cooler, drier and sunnier than normal.

June

June started with a dull, drizzly, misty morning with fog banks over the highest ground – a weather type that was to prove all too typical of the month that followed. The culprit was a slow moving front embedded in a northerly airflow between an anticyclone to the north-west of Scotland and low pressure over Germany. Although the drizzle and mist disappeared for a while in the afternoon, the cloud persisted and the day was sunless. The cloud from the fronts largely persisted over the islands for most of the 2nd but broke late in the day to allow a sight of the sun before it set. The same pattern persisted on the 3rd and the 4th with daytime cloud giving way to a little evening sunshine but by now winds were very light and with a chilly air mass any night time breaks in the cloud led to extensive shallow fog and some notable dips in the air temperature. One such break in the cloud led to the month's lowest temperature of 7.9°C during the early hours of Saturday the 4th. By the 5th, the fronts near to the islands were finally being broken up by a ridge of high pressure and with the cloud cover also breaking, a much sunnier and warmer day ensued. Some warmer and more humid air was also creeping up from the continent ensuring that the temperature on the 6th topped 20°C but the sunshine was unable to return until late morning with a persistent bank of fog shrouding the island and persisting even longer on some of the beaches.

Tuesday the 7th saw weak fronts edging in from the south-west ahead of Atlantic low pressure systems. The pressure gradient was still slack, however, so the resident humid air and accompanying fog banks did more to reduce the sunshine totals than the high cloud attributable to the fronts. Extensive mist and fog was a feature of the next two days also, although it tended to pull back to the coasts during the morning and only return to Guernsey Airport by night. Some more active Atlantic fronts arrived on the 10th bringing the first measurable rain of the month which then turned very light and patchy by the following day although the moist air again encouraged the formation of mist and fog banks.

By the 12th, depressions over the Atlantic were starting to become deeper and more mobile, laying the foundations for a more westerly type of weather that would prevail for the remainder of the month. Winds, accordingly, began to pick up from the south-west and although mist, fog and drizzle prevailed through the morning, eventually brighter conditions arrived from the west. A succession of fronts and showery troughs were now to pass over the Bailiwick during the next two days limiting sunshine totals but bringing only light precipitation. Wednesday the 15th saw low pressure centred over England but rather perversely bringing a couple of mainly sunny though breezy days. As a ridge of high pressure pushed slowly east into the west Channel, cloud amounts decreased on the 18th. Only 3 days in the month yielded more than 12 hours of sunshine but the 18th was one of them.

Any hopes that the sunshine had finally arrived to stay were dashed on the 19th, however, as the ridge quickly collapsed ahead of an active warm front which brought the wettest day of the month and almost 12mm of rain. The front also re-introduced the very humid air that had featured so often this month. Accordingly, fog was to be a problem for the next four days, leading to considerable disruption of air travel especially on the 20th when the fog was almost continuous for the whole 24 hour period. From the 20th to the 23rd, weather fronts were never far from the islands bringing a lot of heavy cloud cover and – combined with the fog – severely restricting the amount of sunshine. A complication emerged on the 22nd in the form of a thundery depression that appeared over the Bay of Biscay spawning areas of thundery rain over western France and Brittany. This low was able to bring some very warm air over the islands for a time as south-easterlies picked up ahead of the rain. Temperatures reached 21.3°C – making this the warmest day of the month – but it could have become much warmer had it not been for the fog, which failed to clear until lunchtime and then the encroaching thundery cloud which arrived shortly afterwards and limited the sunshine to under one hour for the day.

The thundery low announced its arrival with a heavy shower during the late afternoon, but also reserved a spectacular lightning show for the evening as storms passed mainly to the south-east of the island. One thunderstorm passed over Guernsey Airport giving heavy rain and a brief burst of hail – an unusual occurrence for June – but St Martins and the southern part of St Peter Port had the highest rainfall totals with parts of the north and west of the island receiving relatively little. The departure of the storms in the early hours of the 23rd was, seemingly inevitably, followed by the re-establishment of thick fog.

As the thundery low moved away to the north-east on Friday the 24th, a cold front moved south-east across the islands. This led to a largely sunny albeit breezy day with the weekend also beginning in similar fashion but with the same rather chilly breeze. Although Sunday started promisingly, cloud then spread in during the afternoon and by evening the rain, drizzle and fog were back. The culprit was a warm front linked to a depression near Iceland and it was followed by a broad run of westerly winds right across the Atlantic. Although the associated cold front would sweep through on the morning of the 27th, clearing the fog, small mobile depressions and fronts would sweep across England and the English Channel for the remainder of the month. One such front moved over the islands on the afternoon of the 28th bringing rain and drizzle, but the following day was even more dismal with rain and drizzle for most of the day and with heavy cloud cover throughout. Temperatures on the 29th rose no higher than 14.2°C – notably chilly for late June. Fittingly, the last day of the month continued the theme of thick cloud, gloom, light rain, drizzle and fog banks.

In summary, June 2016 proved to be a dismal introduction to summer. Although mean temperatures were average, it is worth noting that this was only achieved because night time temperatures were generally warmer than usual with overcast skies preventing much cooling. Daytime maximum temperatures, by contrast, were about half a degree lower than normal. It was slightly wetter than normal but the real nature of the month is shown by the very poor sunshine figures which show that June 2016 was the dullest June since 1977 and the second dullest since records began in 1894. Fog was recorded on no fewer than 18 days in June, equalling the record set in June 1965. There were no really warm days in the month with the only day when the temperature exceeded 21°C being almost sunless. This month has to be noted as one of the worst Junes in the Guernsey weather record.

July

Following on from one of the most dismal Junes on record, it was always likely that July would provide an improvement in our summer weather and so it proved to be. The month started, however, with the weather type that was much in evidence in June – namely foggy, chilly, drizzly and mainly cloudy. The complex depression between Scotland and Iceland that was responsible for the poor weather then swept a cold front south-east across the Bailiwick, bringing a much sunnier start to the weekend on Saturday 2nd although a fresh and rather cool breeze ensured the maximum temperature was only 17°C. By Saturday night, however, a small and fast-moving depression was moving into the Channel approaches and its associated fronts yielded 6.8mm of rain on Sunday morning – the only significant rainfall of the month. This being the summer of 2016, the 3rd was also plagued by fog banks which affected the island for most of the day even though the sun broke through at times.

A further depression moved into the UK on the 4th, bringing a cloudy day with fog and drizzle at times, but the weather patterns were now slowly changing to bring the islands into a drier regime. With a ridge of high pressure building across the islands on the 5th, strong sunshine was able to burn off the remaining fog early in the day. The 6th was also a sunny day with an anticyclone centred over the English Channel keeping fronts at bay and allowing temperatures to creep upwards. Thursday 7th saw temperatures exceed 20°C for the first time in the month and although the high pressure did begin to slip away on the 8th, the resulting humid south-westerlies were able to bring fog only to some beaches with strong sunshine burning off the fog inland.

The weekend of 9th/10th saw two similar weather days with cloudy, drizzly and foggy mornings giving way to much brighter afternoons with extensive high cloud. With a cold front slowly clearing through, the 11th produced no fog at all, but it was the breeziest day of the month with some light showers and extensive cloud cover. The synoptic situation changed very little between the 12th and the 14th, with a ridge of high pressure inching in very slowly from the west. With north-westerly breezes, these days were never going to be particularly warm, but they were at least sunny and dry. The dry conditions were the start of a period of drought that would persist for half of the month.

By the 15th, an anticyclone was centred over Brittany and changes to the air-mass type were beginning to occur which would result in a July weather record. To begin with, the very warm and humid airflow produced little more than some fog banks on the 16th, but some hot air was also moving north from Spain and the Mediterranean into France. As the anticyclone slowly moved north and east, winds began to switch to between south and east. Temperatures on the 17th and the 18th were able to rise well above anything experienced earlier in the summer, reaching 24.5°C and 25.7°C respectively, but the hottest of the airstream was reserved for the 19th, which saw a thundery depression moving north into the Bay of Biscay. The south-easterly airflow between this depression and the anticyclone which had now drifted over Denmark was able to bring the hottest part of the airmass across the islands late in the day, just before cloud cover arrived in the evening. With Brittany and Normandy experiencing temperatures into the high thirties and with strong sunshine over the islands, the sea was unable to cool the air significantly before it arrived. Temperatures at Guernsey Airport peaked at 32.6°C – a new record for July and the third highest temperature since records began at the airport. The maximum arrived unusually late in the day – between 6pm and 7pm – as the afternoon heat from France passed over the island.

The heat was not, however, here to stay and after one exceptionally hot day, a cold front swept through overnight ensuring that the following day was largely cloudy, misty and about 10 degrees cooler. Although normal weather service had been resumed, the ridge of high pressure that followed the cold front ensured pleasant sunny days on the 22nd and 23rd, but with the axis of the high pressure now to the south of the Bailiwick, westerlies would now prevail for the remainder of the month preventing a reoccurrence of any really warm weather. By the 24th, the first in a long succession of weak fronts was approaching the islands bringing overcast conditions and extensive fog. Although the 25th was much brighter, the pattern was now set and between the 26th and the 30th, a total of only 4.1 hours of sunshine was recorded during these five days. The 25th was also the last day of the month to see temperatures reach 20°C.

The weakness of the fronts ensured that they generally did not generate any measurable amounts of rain; however, the exception was a cold front that moved over the Bailiwick during the early hours of the 29th giving 0.6mm of rain. This did little good to any of the parched vegetation but did – officially – break the drought. Although the fronts could not muster much rainfall, there was no lack of fog and drizzle with the 27th and 28th being the foggiest days of the month despite stiff competition. The fog ensured yet more disruption for long-suffering air travellers with passengers to Alderney being especially impacted. As the last of the fronts finally cleared away late on the 30th, the clouds finally broke and fine weather arrived overnight. The last day of July provided a welcome weekend day when islanders could enjoy a full day of sunshine with relatively light winds.

July 2016 was probably a month that will be remembered as better than it actually was. The short but record-setting heat wave will linger long in the memory and the lack of rainfall ensured little disruption to outdoor events. The 11.8 mm of rain recorded this month made it the driest July since 1999. July will also be remembered as an improvement on the weather of previous month which was exceptionally gloomy.

Nevertheless, July was also a foggy month – the foggiest since 2002 – with banks of sea fog often affecting beaches and persistent low cloud causing fog and flight delays at the airport. The fog also helped to reduce sunshine amounts to a little below normal despite mainly anticyclonic conditions. A hot spell in summer normally also ensures that the monthly average temperature is well above normal, however many rather cool days prevented the heat wave from making much of an impression on the overall temperature statistics with the month being only marginally above average.

August

After a dry July, it was something of a surprise to see the synoptic situation on August 1st looking rather threatening with active weather fronts moving quickly towards the west Channel. An active depression just west of Ireland was the culprit and the west to south westerly airstream approaching the islands was laden with moisture. The rain began by afternoon, gradually becoming heavier towards evening and accompanied by mist and fog. With the weather fronts still close in attendance on the following day, more rain was inevitable and rain, drizzle, mist and fog were persistent throughout the day. During the night of the 2nd / 3rd, a cold front edged in towards the Bailiwick from the north-west and the rain finally ceased during the morning before the first sunshine of the month appeared in the afternoon.

During the first 3 days of the month a total of 51.8mm of rain fell – more than the average for the whole month. Many people welcomed the rain – at least initially – as it undoubtedly saved a few parched lawns but some feared that it would usher in yet another disappointing and miserable August – having suffered a number of them in recent years. The weather patterns, however, would not stay cyclonic for long and by the 4th a ridge of high pressure was pushing in from the west. This set the scene for some much sunnier and slightly warmer weather which persisted until Sunday 7th, when a depression to the north of Scotland brought a weak front into the English Channel.

The drizzly day that this produced was, however, soon forgotten as the sunshine returned on the following day. This then set the scene for a week of mainly fine sunny and dry weather as an anticyclone to the west of southern Britain edged slowly towards the islands. Before it arrived, rather cool north-westerly breezes kept temperatures a little below the seasonal normal but by late Friday (the 12th) the anticyclone was centred almost over the islands and winds fell light and variable before turning into the north-east. With warmer air being advected from the continent, temperatures edged up a little each day reaching a maximum of 22.9°C on Wednesday the 17th. By then, however, the fine weather was under threat as an area of thundery low pressure began establishing itself over the Bay of Biscay. This low was to bring the islands the second (and last) spell of wet weather during the month although rainfall amounts would be far lower than for first unsettled spell.

The 18th was a mainly cloudy day with fog and some light rain and drizzle. The 19th also produced some rain but it was heavier and limited to the morning with sunshine dominating the afternoon. Although the depression was thundery in nature, it failed to produce any thunderstorms in the local area, so rainfall totals were limited to around 10mm over the course of the three days of unsettled weather. By the end of the 19th, the thundery low was also being engulfed in a much larger and more active Atlantic depression centred near western Ireland. This gave us our windiest day of the month on the 20th but a ridge of high pressure was to push in from the west on the 21st, reducing wind speeds notably. The ridge then intensified into an anticyclone over Germany just as pressure began to fall over Spain. This drew very warm air northwards from the Mediterranean over France which was destined to reach the islands later.

Before this happened, the 22nd gave us a warm and sunny day during the course of which observers of the weather would have noted that the light and variable winds had turned decisively into the south-east. August then re-produced the type of short but notable heat wave that had brought record breaking July temperatures a month before. As the sun rose on Tuesday 23rd, the temperature was already climbing rapidly as the warm air from France arrived. Temperatures increased steadily through the day but did not hit the day's maximum temperature of 27.8°C until just before 7pm in the evening. The 23rd was the warmest August day since 2003 and, although the temperature was not close to an August record, finally confirmed an end to the series of rather cool and dismal Augusts with no heatwaves worthy of the name.

The one-day August heatwave was brought to an abrupt end in exactly the same way as the one-day July heatwave with an overnight change of wind into the west and a sudden temperature drop of about 10 degrees. By the 24th, a weak thundery trough and a weak anticyclone were both trying to dominate the weather over the Bay of Biscay and the weather accordingly varying between warm, sunny conditions and thundery showers over the course of the following four days. The intense showers came close enough to drop some rain but scored no direct hits on the island, so rainfall totals remained low.

By the 28th, complex low pressure had drifted north into the UK bringing westerlies and a fresher feel to the weather. Although the 28th was mainly cloudy, sunshine dominated the last three days of the month as a ridge of high pressure built across the Channel from the Azores.

Like July, August 2016 may be remembered for its one-day heatwave, but the rainfall at the beginning of the month was also a significant event. Curiously, the prolonged rainfall at the beginning of the month did not lead on to a monthly total that was well above average and likewise the heatwave did not lead to a particularly warm month. Nevertheless, in comparison to recent Augusts, the month will be remembered rather favourably as a reasonably warm and sunny month and the only summer month in 2016 when the fog days did not greatly exceed the average.

Overall, the summer of 2016 was mixed with various extremes cancelling each other out. The statistics record a fairly average summer – a little warmer, drier and duller than normal – but hide the fact that there were long periods of very pleasant and sunny weather during the school holidays to counteract the appalling June statistics. The roughly average number of fog days in August was, however, not able to rescue this summer from the unwelcome accolade of the foggiest summer on record at Guernsey Airport.

September

With settled weather extending into the beginning of the month from a warm August and with very warm sea temperatures, confidence was high that September had every chance of being another warm month. Accordingly, the month started with a fine warm day as a ridge of high pressure covered the Channel. A weak cold front was, however, making inroads into the Bailiwick area and this front made its presence felt on the 2nd which was an almost completely cloudy day. Although the front was weak, it had a few patches of heavier rain associated with it and these tended to affect Guernsey and Alderney whilst leaving the other Channel Islands alone. A rather surprisingly high rainfall total of 5.6mm was the result and, with enough moisture in the atmosphere, fog formed for a while over the upper parishes during the afternoon.

A new small depression ran north-east across northern England on the following day with its trailing fronts running into the persistent ridge of high pressure over the Channel. Once again, although the fronts weakened, a few heavy – and sometimes thundery – patches of rain remained and once again Guernsey had the heaviest of the rain with a brief thunderstorm during the late evening. The fronts then ground to a halt near to the islands ensuring that the 4th was also a cloudy day. Although all the heavy rain had disappeared, light rain, drizzle and fog plagued the islands both early and late in the day. By the 5th, the fronts were finally clearing away although cloud persisted even after the drizzle and fog had cleared early in the day.

By now, the nearby anticyclone was bringing increasingly warm air up from the continent so when the sun began to shine, temperatures rose to 22.6°C on the 6th and a very impressive 26.0°C on the 7th, which was the warmest day of the month. The summer of 2016 had had a history of one day heatwaves broken decisively the following night and this pattern persisted into September as a cold front passed through very quickly during the early hours giving a notable drop in temperature followed by the windiest day of the month – a situation that was moderated by the fact that it was also the sunniest day of the month.

The synoptic pattern of the past few days then came close to repeating itself almost exactly. Weak fronts with some associated rain and fog stayed close to the islands on the 9th and 10th, but by the 11th sunny anticyclonic weather was back with the anticyclone then starting to draw in warmer air from the continent again. By the 13th, maximum temperatures had reached 23.7°C but with a thundery depression forming over the Bay of Biscay, thundery showers also began to affect the islands. Unlike many thundery depressions which get caught into the general westerly circulation and head for the North Sea at the first opportunity, this low pressure was slow moving for several days. Accordingly, fair periods and thundery showers or longer periods of thundery rain persisted through until the 16th, with the 15th being the wettest day of the month with 11.5mm of rain.

Bright and breezy weather associated with a ridge of high pressure pushed in on the 17th but the ridge collapsed before it could reach us, leaving us in a rather cloudy and quiet col. Calm and rather cloudy conditions then persisted for several days with no weather of note. Temperatures remained above average, however, and with high humidity the month continued to appear as though it was a summer month rather than the beginning of autumn. Weak fronts pushed into our area on the 21st and 22nd, but by then a ridge of high pressure was also building over the Channel with the result that the fronts could produce no more than some bands of cloud.

By the 24th, the anticyclone had retreated into Eastern Europe allowing a depression and weather fronts to advance into the UK. These fronts were fairly active features and ran through the islands overnight, producing 6.7mm of rain and introducing a brisk westerly wind that quickly swept away memories of days of light winds and high humidity. Although high pressure was quick to reassert its grip, the weather patterns were beginning to change with a much more mobile, autumnal regime coming into force with higher wind speeds and cooler temperatures.

More cloud arrived on the 26th ahead of an Atlantic warm front with the front itself arriving on the following day, bringing mist, occasional drizzle and fog patches. A clearance then followed with a sunny, breezy day on the 28th, but more Atlantic fronts were back on the 29th giving light rain and drizzle. An autumnal feel to the air became apparent with the temperature only reaching 16.6°C and with a cold front clearing through the islands on the last day of the month, temperatures fell to 11.3°C – giving us our chilliest temperature of the month.

September was generally a benign month with mean temperatures well above average at 16.9°C. This warmth, combined with relatively low wind speeds often made for good beach and boating weather – especially given that sea temperatures continued to be above average. Although rainfall was a little lower than normal, there were enough bursts of heavy rainfall and thundery showers to ensure that gardens were well watered. Although September is technically an autumn month, it could be claimed that it felt much more like summer than the (genuinely) summer month of June had done. Apart from the decreasing number of daylight hours, it was not until the last two days of the month that it really felt like autumn.

If the month had any down side, it could be said that the humidity was uncomfortably high on some of the warmer days and this humidity also encouraged the formation of rather more fog, low cloud and thundery showers than would normally be expected and also contributed to a below average sunshine total for the month.

October

October commenced with a small area of low pressure drifting east over England. As the low was surrounded by anticyclones and strong ridges of high pressure, it was no great surprise that the unsettled weather was quickly replaced, but, as it turned out, anticyclonic conditions would dominate for the entire first half of the month.

Saturday 1st October was a breezy, showery day but also with some good sunny periods; however by the following day the showers were quickly dying out giving a mostly sunny, dry day with much lighter winds. By the 3rd, a strong anticyclone was developing over Scandinavia with a ridge of high pressure stretching down over the English Channel. It was evident that it was going nowhere fast and that the islands would be getting their airflow from an easterly direction for quite some time.

Easterlies can bring very warm temperatures to the islands in the summer – and also very cold conditions in mid-winter. In October, however, they often have little overall effect on the Bailiwick's average temperature but instead carry continental air across the islands which can be pleasantly warm by day but also conveys the cooler air that prevails over France during the night time.

By the 4th, a small depression over the western part of the Bay of Biscay was trying to make eastwards progress but with little success. It did, however, strengthen the airflow across the Bailiwick, though hazy sunshine and relatively warm temperatures continued. Weather fronts moving in from both east and west affected the English Channel on the 5th and 6th, however these were very weak features and their associated cloud tended to avoid the Channel Islands area leaving mainly sunny though breezy days. As the fronts cleared away to the west on Friday 7th, they produced a few light showers and a cloudier day. With the Scandinavian anticyclone drifting a little further north, atmospheric pressure was then able to fall over the continent and the weak fronts embedded in the easterly flow over the Channel and the southern North Sea were invigorated somewhat.

The 8th, 9th and 10th were cooler and occasionally cloudy with showers, but with the easterly winds slackening it did not feel particularly chilly. As fair weather returned on the 11th, the easterlies began to bring even cooler temperatures – especially at night. Long sunny periods on the 12th and 13th did, however, keep the days feeling mild. During the 12th and the 13th, an active Atlantic depression had been trying to make eastward progress, but with the anticyclone holding firm over Scandinavia, it had been forced south-east into Spain. As it continued east into the western Mediterranean, it pushed fronts northwards into the English Channel at the same time as a further depression to the south-west of Ireland was also moving towards the Channel Islands. The resulting collision of air masses was to produce the only significant weather of the month.

The 15th saw some showery rain mixed with fair periods, but it was not until the early hours of the 16th that the heavy frontal rainfall arrived. It commenced shortly after 3am and quickly grew in intensity over the course of the following hour. Heavy rain was beginning to cause some minor flooding in places as wet, newly fallen leaves blocked drains, however the rain eased down to moderate for an hour or so. The heaviest of the rain then arrived at around 0500 when, at its peak, about 1.2mm of rain was falling per minute. This rainfall rate is known as “violent” and is quite rare in Guernsey. The rain then eased off rapidly, having yielded a daily total of 16.1 mm on what was otherwise going to be a dry month. As far as many people were concerned – waking up late on the Sunday morning – it was as though the weather had never really broken as the day turned pleasant and sunny.

The next couple of days were also mainly sunny, although with a few showers as the depression to the west of Ireland filled and drifted away north. A new anticyclone followed – moving north-east into the UK – at which point it lost its identity and became a strong ridge from the Scandinavian high which had remained in residence throughout. The mainly fair, dry weather persisted under the influence of the ridge although the air crossing the Channel Islands now originated from north-east Europe which was cooling quickly. Accordingly local temperatures also fell, especially night time temperatures, with a minimum of 7.3°C on the 22nd.

A new Atlantic depression was now trying to push in from the west, but was again blocked by the Scandinavian high and, like its predecessor a week before, headed for Spain before pushing weather fronts north towards the islands. After a fair morning on Sunday 23rd, the fronts arrived during the afternoon and evening accompanied by strong easterly winds and driving rain. A total of 11mm of rain was recorded before the fronts cleared the islands and became slow-moving over southern England. By the 24th, an area of slack low pressure covered the Bailiwick with the chilly air encouraging the formation of a scattering of thundery showers although the heaviest of these did not affect us and only distant lightning was seen. The 25th, 26th and 27th were almost windless as the slack area of low pressure transitioned quietly into a ridge of high pressure. Temperatures were below average but the lack of any sort of breeze meant that this passed almost unnoticed.

As the month drew to a close, the ridge of high pressure over the Channel intensified into an anticyclone and drifted across to Germany. This enabled south-easterly winds to bring warm, dry air up from the Mediterranean and ensured that the 30th and 31st would be fine and sunny with the temperature rising to an impressive 18.0°C on the 31st – making the last day of the month the warmest day of the month.

October 2016 was, therefore, a quiet month with only a few outbreaks of what might be called typical autumnal weather. Sunshine totals were well above normal, whilst the rainfall total was only half what would normally be expected. It was also a month with unusually low wind speeds and with a prevailing easterly wind as opposed to the average October which sees an increase in south-westerly winds and unsettled weather. Public perception of the month was of a notably warm month and indeed daytime temperatures were above normal which, coupled with lots of sunshine and light winds made the month feel very pleasant. Night time temperatures were, however, lower than normal and this ensured that the average temperature for the month was actually slightly below normal – perhaps the most surprising statistic of all.

November

After a very quiet October, weather enthusiasts were hoping for a more interesting November and certainly got it – as the saying goes: Be careful what you wish for!

To begin with, the synoptic situation looked unthreatening with anticyclones to the north-west and south-east and the islands sitting in a col with slack winds and little weather. The 1st was easily the warmest day of the month with the temperature reaching 17.1°C in light winds and hazy sunshine. Changes were forthcoming, however, with a weak cold front pushing south across the UK and clearing the islands on the 2nd. Apart from a little drizzle from the front at first, the day was quite similar to the 1st although air temperatures were about 4 degrees lower.

Anticyclones were persisting to the west and east of Guernsey on the 3rd, but the ridge between them was breaking down as pressure began falling over the UK and the Channel. Weak fronts moving in from the west then became re-invigorated and slow moving over the islands. Intermittent light rain began during the early hours of the 4th – becoming heavier and more persistent as the morning wore on. Although the rain died out during the afternoon 18.7mm of rain was recorded between midnight and 6pm.

As the fronts moved away, a chilly and showery north-westerly air flow set in on the 5th although the showers managed to largely hold off for the period of the bonfire night festivities. The next three days continued rather cool with temperatures remaining in single digits throughout, but the northerly airflow slackened gradually and by the 8th, Atlantic fronts were again approaching from the west. A breakaway low rushed south-east along the fronts into Belgium giving us a very wet night followed by another blustery north-westerly which gusted to 45 knots.

The north-westerly was milder than the previous air stream but also had a number of fronts and small depressions embedded in the flow, ensuring that the 9th and 10th were breezy and mainly cloudy days with some light rain or showers from time to time. With a deep depression developing near Iceland on the 11th, fronts then pushed quickly east across the UK and the Channel giving a wet night and an overcast sunless day on the following day, however the weekend then improved as a strong ridge of high pressure followed on Sunday 13th, giving a dry day with more than 7 hours of sunshine.

The ridge persisted for the next couple of days but with the axis to the south of Guernsey, mild, cloudy and very humid air was able to spread across the Channel from the south-west. Whilst Monday 14th was merely gloomy, the 15th was a bad day for air travellers as extensive fog and drizzle blanketed all the islands for most of the day. On the 16th, with winds picking up and a cold front approaching, the mist and fog finally began to clear and some sunshine eventually broke through to greet weary delayed air passengers. The weather would continue to bring inconvenience – and some danger – for the remainder of the week.

By Thursday 17th, a very mobile strong westerly airflow was covering most of the North Atlantic. Fronts and showery troughs in the airflow produced a little over 10mm of rain, but the following day would bring even heavier rain and hail showers, ensuring it was the wettest day of the month with 15.4mm of rain. The worst of the conditions occurred in the south of the island during the early evening with roads becoming treacherous under a blanket of hail and icy slush for a while. A house in St Peters was struck by lightning and there were incidents of minor flooding. A weak ridge pushed in the following day, but all eyes were on a rapidly deepening and fast-moving depression in mid-Atlantic which became the first named storm of the year: Storm Angus.

Angus started the day in mid-Atlantic with a central pressure of 992mb but by midnight it was centred just north-west of Alderney with a central pressure of 966mb. Unsurprisingly, winds at Guernsey Airport had already backed to the south-east by afternoon and were starting to pick up notably by early evening. The rain, which had begun during the late afternoon, increased in intensity through the evening – eventually becoming heavy. Gale force winds occurred at times during the evening, but the full force of Angus was not to arrive until the early hours of the following morning.

During the early hours of the 20th, the winds swung round to the south west and increased to 51knots (force 10) gusting 71 knots by 2.15am. The weather station at Chouet reached a steady wind speed of 60 knots (force 11) but the highest gust of the night – 73 knots – was actually recorded at Guernsey Airport at 2.19am. This gust equalled the highest November gust on record and was the strongest gust experienced by the island since 1990. Alderney's winds peaked a little later at 2.54am when 58 gusting 82 knots was recorded. The timing of the storm probably helped to ensure that no injuries were reported, nevertheless there was considerable damage to the island's trees and many house roofs, fences and sheds.

Having done their worst, winds abated quickly through the morning allowing islanders to undertake some repairs and retrieve garden items from the neighbourhood. The rain returned by afternoon, however, causing water damage to many houses that were missing tiles or sections of roof. More rain and a further brief gale on the evening of Monday 21st did little to settle the nerves of those with property damage, but the weather was once again on the change – this time to a much appreciated anticyclonic pattern. A ridge began to build over the Channel on the 23rd with the lighter winds enabling the autumn's first ground frost. A depression over Biscay tried to push north on the 24th but succeeded only in strengthening the north-easterly winds as, by now, a strong anticyclone was entrenched over the UK.

The last few days of the month continued anticyclonic with chilly and strong easterlies gradually slackening. Clear skies and sunshine made for pleasant daytime conditions, but temperatures fell sharply at night and the last day of the month produced the first autumn frost for 6 years.

Rainfall, sunshine and temperatures were all fairly close to average for November – the month will be remembered for its weather – and in particular Storm Angus - above all else.

December

This was a month that was dominated by anticyclonic conditions to the extent that the average barometric pressure for the month was one of the highest on record for December.

Fittingly, then, the month began with an anticyclone sitting almost exactly over the Channel Islands and only drifting very slowly to the north-east. The first day of the month brought clear skies, a fairly marked ground frost and some shallow fog patches in the almost windless conditions. By the 2nd, the centre of the anticyclone was moving into the North Sea, allowing a more noticeable east to south-easterly breeze to develop and for the cloudier continent to export some of its low cloud to the islands. The cloud persisted into Saturday 3rd, but a very weak cold front was, by now, moving west across the English Channel bringing fine weather but also colder air. A sunny Sunday followed, but with a brisk easterly breeze and a daily mean temperature of only 5.3°C.

By the 5th, the anticyclone was slipping away towards the Balkans but was still maintaining a strong ridge to Scotland. A milder south to south-easterly airstream therefore became established during the course of the day and as temperatures rose, so did the humidity. The 6th was a sunless, misty day with fog patches and the following day was also cloudy, but by now winds were from a southerly direction and temperatures were notably mild with the 7th marking the start of a run of days when the maximum daily temperature reached 12°C or 13°C.

With Atlantic depressions struggling to move east against a still resistant continental anticyclone, the first warm front arrived on the 8th but was able to produce no more than a little drizzle around evening time. A cloudy and misty day followed with fog during the morning and then the 10th looked as though it would produce a very similar day until a weak cold front arrived during the evening. This front was to bring us the first measurable rainfall of the month – thus ending a notably dry spell of winter weather. The fine conditions following the front did not last long as the mild humid airflow reasserted itself by the afternoon of the 11th bringing low cloud and fog.

Further weak fronts then crossed the island for the next three days, but with the anticyclone holding firm over south-east France, rainfall amounts were low and the days in question were notable only for mist, fog, drizzle and mild temperatures. A shallow depression was moving slowly from Biscay towards the tip of Cornwall on the 14th and 15th and this was to bring a slightly more active front over the islands on the 15th, which gave 2.3mm of rain. Even so, the first half of the month had produced a paltry rainfall total of 8.5mm thanks, in the main, to the influence of a single anticyclone.

The second half of the month began with further, very shallow depressions moving north out of Brittany but these fizzled out quickly and a further depression over Biscay was forced away south by a strengthening ridge of high pressure developing between the Azores High and the continental anticyclone. The local weather was a mixture of low cloud and fog, clearing from time to time to give fine conditions. Light winds and mild temperatures prevailed, however, making for a pleasant weekend. Attention finally switched to the subject of Atlantic depressions on the 19th as a deep low began moving north-east towards Iceland. The ridge of high pressure over the islands finally began to weaken allowing some weak fronts over northern France to rejuvenate and drift west across the Bailiwick, bringing mainly light rain and drizzle from early afternoon. The fronts were then promptly turned around and pushed back across the islands on the 20th by the circulation of the approaching Atlantic depression and its weather fronts.

Whilst it is true to say that there was no weather in December that attracted a great deal of attention, Wednesday 21st made the best attempt as some reasonably strong Atlantic fronts pushed east across the Bailiwick bringing an overcast and wet day with some periods of fog later. Rainfall produced by the fronts totalled 7.1mm – a very unremarkable total for a December day but in 2016 this turned out to be the wettest December day. In the days to come, two big depressions – named as Storm Barbara and Storm Conor passed to the north of Scotland on the 23rd and on Christmas Day, but by then pressure was rising again strongly over the Channel and storm damage was limited to the northern half of Britain. The depressions did, however, bring some very mild air from the south-west and the 23rd and 25th certainly looked unsettled with periods of light rain, drizzle and fog. The 23rd was also the windiest day of the month although wind speeds did not begin to approach gale force.

In truth, despite the strong winds, overcast skies and drizzly rain, the two named storms produced only small amounts of rain in the islands and we were already looking at yet another anticyclone establishing itself over the islands by Boxing Day. The new high accordingly cleared the skies of all but some high cloud on Boxing Day, but a weak cold front moving south-east across the islands dropped the temperatures down close to average. By the 27th, the anticyclone was an intense feature centred just north of the Bailiwick with the atmospheric pressure topping 1044mb briefly during the morning. As the centre continued to drift very slowly east, some colder air began to be drawn in from the continent on east to south-easterly winds. Temperatures – especially at night – began to drop accompanied by ground frosts in places as mainly clear skies persisted.

Towards the end of the month, the high pressure began to slip away to the south as a cold front approached from the north, however the dry and mostly fine weather persisted right to the last day of the month. With light winds, daily temperature ranges were relatively high for the islands with pleasant, mainly sunny days and chilly nights with minima around 3°C to 4°C. No rain fell for the last six days of the month which confirmed December 2016 as the driest December since 1879. With temperatures just over a degree above average and the most December sunshine since 2008, the month will be remembered as benign in nature and as a great month for outdoor sports – apart from surfing.

ANNUAL WEATHER SUMMARY

MONTH	MEAN AIR TEMPERATURE °C		RAINFALL mm		SUNSHINE hrs	
		DIFFERENCE FROM AVERAGE		PERCENTAGE OF AVERAGE		PERCENTAGE OF AVERAGE
JAN	7.9	+1.0	148.4	160.4	51.5	84.4
FEB	7.2	+0.7	117.2	167.0	68.6	79.9
MAR	7.3	-0.5	68.1	101.6	150.6	118.0
APR	8.9	-0.3	26.6	50.1	218.4	112.2
MAY	12.5	+0.5	52.1	102.3	231.1	98.5
JUN	14.5	0.0	46.9	109.0	154.8	62.8
JUL	16.8	+0.3	11.8	28.0	236.7	94.4
AUG	17.4	+0.5	65.8	137.9	264.0	114.7
SEP	16.9	+1.5	48.1	83.7	156.1	86.7
OCT	12.8	-0.2	47.4	49.9	159.8	136.5
NOV	9.7	-0.2	108.1	103.6	90.0	115.7
DEC	8.9	+1.2	27.5	24.4	83.2	143.0
YEAR	11.7	+0.3	768.0	91.5	1864.8	99.8

SUNSHINE

MONTH	SUNSHINE (hours)						SUNNIEST DAY		% OF POSSIBLE SUN		SUNLESS DAYS	
	AVERAGE 1981-2010		RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	DATE		2011	AVERAGE 1981-2010	AVERAGE 1981-2010	
JAN	51.5	61.0	112.8	1998	26.0	1966	6.6	28th	19.1	22.7	10	10.1
FEB	68.6	85.6	143.9	2008	36.1	1976	8.3	15th	23.3	29.1	7	6.3
MAR	150.6	127.6	214.8	2009	67.4	1964	10.7	25th & 31st	41.0	34.7	5	5.5
APR	218.4	194.7	280.4	1984	122.2	1981	13.9	30th	53.5	47.7	1	2.5
MAY	231.1	234.5	336.4	1989	136.9	1981	14.6	24th	48.9	49.6	3	1.8
JUN	154.8	246.6	355.3	1975	147.8	1977	13.3	8th	32.2	51.2	4	1.9
JUL	236.7	250.7	335.9	1959	167.7	1972	15.0	17th	48.9	51.7	1	1.4
AUG	264.0	230.1	323.0	1955	139.2	1992	13.6	16th	59.6	52.0	2	1.2
SEP	156.1	180.1	266.5	1959	104.5	1956	11.6	8th	41.4	47.8	0	2.3
OCT	159.8	117.1	176.4	1971	72.6	1968	10.1	3rd	48.2	35.3	2	4.6
NOV	90.0	77.8	123.6	2006	38.9	1981	7.8	29th	33.2	28.7	5	6.9
DEC	83.2	58.2	108.9	2001	26.6	1966	7.6	1st	32.6	22.8	6	11.0
YEAR	1864.8	1864.0	2262.8	1959	1532.5	1981	15.0	17-Jul	41.9	41.8	46	56.8

ATMOSPHERE PRESSURE (Millibars) AT MEAN SEA LEVEL

MONTH	MEAN PRESSURE						EXTREME PRESSURE					
	AVERAGE 1981-2010		RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	RECORD HIGHEST	DATE & TIME G.M.T.		RECORD LOWEST	DATE & TIME G.M.T.	
JAN	1010.0	1017.9	1030.5	1992	1001.1	1948	1045.9	30/1989	0945	966.6	20/1965	1220
FEB	1011.9	1018.0	1032.1	1959	1000.6	2014	1047.5	7/1964	1050	952.5	25/1989	1050
MAR	1015.9	1017.0	1029.9	1953	1003.0	1947	1047.7	3/1990	0930	969.6	13/1951	1630
APR	1013.5	1015.1	1025.1	1954	1002.6	1998	1040.2	10/1947	0800	979.5	16/1998	1620
MAY	1015.0	1016.0	1025.3	1991	1007.6	1983	1039.8	12/2012	1045	981.3	5/2004	2350
JUN	1016.2	1018.0	1024.5	1962	1009.5	1997	1037.5	14/1959	0850	988.9	9/1954	1500
JUL	1019.7	1017.7	1023.5	1969	1013.9	1988	1034.5	12/1969	1150	986.6	3/1988	0845
AUG	1020.5	1017.3	1022.0	1981	1011.9	1963	1036.1	12/1949	0930	982.3	9/1948	0000
SEP	1018.8	1017.2	1024.2	1977	1009.9	1999	1037.3	22/1947	0700	974.7	13/1993	0630
OCT	1021.0	1014.8	1024.5	1971	1003.9	1960	1040.0	26/1969	2200	959.5	16/1987	0200
NOV	1015.3	1015.3	1026.2	1978	1001.5	2000	1041.9	2/2001	0850	963.2	9/2011	0300
DEC	1028.2	1016.4	1029.5	1991	1000.6	1978	1046.0	25/1991	0950	964.2	8/1954	1450
YEAR	1017.2	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)	
	AVERAGE 1981-2010		RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	DATE		2011	AVERAGE 1981-2010	AVERAGE 1981-2010	
JAN	148.4	92.5	210.0	2001	15.4	1992	16.4	3rd	26	19.3	19	14.6
FEB	117.2	70.2	182.8	1978	4.8	1965	16.7	12th	21	15.7	15	11.3
MAR	68.1	67.0	179.6	2001	2.7	1961	13.8	8th	13	15.9	11	11.5
APR	26.6	53.1	130.4	1966	2.9	1980	7.1	21st	14	13.2	7	9.7
MAY	52.1	50.9	128.7	1994	4.1	1989	12.3	10th	13	11.9	9	8.5
JUN	46.9	45.5	129.7	1986	0.6	1976	11.7	19th	14	10.4	9	7.1
JUL	11.8	42.1	120.2	1960	3.9	1999	6.8	2nd	8	11.0	2	7.5
AUG	65.8	47.7	122.0	1951	3.8	1955	33.3	2nd	10	10.6	6	7.6
SEP	48.1	57.5	194.5	1952	6.9	1997	11.5	15th	12	12.4	9	9.0
OCT	47.4	95.0	233.9	1960	3.4	1978	16.1	15th	12	17.3	7	13.3
NOV	108.1	104.3	234.5	2009	16.1	1978	15.4	18th	21	18.8	18	15.0
DEC	27.5	112.9	249.6	1999	28.1	1953	7.1	21st	9	18.6	7	15.5
YEAR	768.0	838.7	1317.0	1960	531.3	1989	33.3	02-Aug	173	175.0	119	130.5

* NEW RECORD

TEMPERATURE °C

MONTH	MEAN MAXIMUM		HIGHEST MAXIMUM				MEAN MINIMUM		LOWEST MINIMUM			
	AVERAGE 1981-2010		DATE		RECORD HIGHEST	DATE	AVERAGE 1981-2010		DATE		RECORD LOWEST	DATE
JAN	9.7	8.7	12.9	25th	13.3	4/48,9/07	6.1	5.0	-0.5	20th	-7.8	20/1963
FEB	9.0	8.4	11.9	6th	15.0	29/1948	5.3	4.6	2.3	16th	-7.2	21/48,7/91
MAR	9.6	10.0	12.5	26th	19.4	29/1965	5.0	5.6	1.7	5th	-2.2	10,11/1958
APR	11.4	11.8	14.9	12th	24.3	16/2003	6.3	6.6	3.6	27th	-1.4	11/1986
MAY	15.4	14.9	20.9	8th	25.9	30/2003	9.6	9.2	4.2	4th	0.1	2/1979
JUN	17.0	17.5	21.3	22nd	30.8	26/1976	12.1	11.5	7.9	4th	5.4	1/1975
JUL	19.9	19.5	32.6 *	19th	31.7	1/1952	13.7	13.6	10.5	6th & 7th	8.3	8/1954
AUG	20.3	19.8	27.8	23rd	34.3	9/2003	14.6	14.1	12.7	1st	9.2	28/1986
SEP	19.8	18.0	26.0	7th	30.6	2/1961	14.3	12.9	11.3	30th	5.8	28/1974
OCT	15.3	15.1	18.0	31st	23.6	1/2011	10.3	10.8	7.3	22nd	3.5	28/2003
NOV	11.6	11.8	17.1	1st	18.0	1/2015	7.9	8.1	-0.1	30th	-0.8	28/2010
DEC	10.9	9.5	13.0	10th&13th	15.6	6/1953	6.9	6.0	3.0	31st	-3.8	24/1963
YEAR	14.2	13.8	32.6	19-Jul	34.3	09/08/03	9.3	9.0	-0.5	20-Jan	-7.8	20/01/63

* NEW RECORD

MONTH	MEAN DAILY AIR TEMPERATURE						MEAN DAILY RANGE					
	AVERAGE 1981-2010		RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	AVERAGE 1981-2010		RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR
JAN	7.9	6.9	9.0	2007	1.5	1963	3.6	3.7	4.7	1984	3.1	1957,66,76,91,96
FEB	7.2	6.5	9.0	1990	1.5	1986	3.7	3.8	4.7	2008	3.0	1986
MAR	7.3	7.8	10.3	1957	4.4	1962	4.6	4.4	6.4	1953	3.7	1964,81,88
APR	8.9	9.2	12.0	2011	6.4	1986	5.1	5.0	7.1	2011	3.7	1994
MAY	12.5	12.1	13.9	1989	9.9	1984	5.8	5.7	7.3	1989	4.6	1981
JUN	14.5	14.5	16.7	1976	11.3	1972	4.9	5.8	8.3	1976	4.1	1977
JUL	16.8	16.6	19.4	1983	13.8	1954	6.2	6.0	7.9	1983	4.4	1954
AUG	17.4	17.0	19.3	2003	14.3	1956	5.7	5.8	7.3	1955	4.3	1958
SEP	16.9	15.5	17.5	1949	12.8	1986	5.5	5.0	6.1	1961	3.6	1967
OCT	12.8	13.0	15.2	2001	9.6	1974	5.0	4.1	5.1	1947	3.5	1968
NOV	9.7	10.0	12.0	1994	7.7	1993	3.7	3.7	4.9	1969	2.8	1994
DEC	8.9	7.8	11.6	2015	4.4	2010	4.0	3.6	4.5	1968	2.8	1987
YEAR	11.7	11.4	12.4	2014	9.6	1963	4.8	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			
	DATE		RECORD LOWEST	DATE	AVERAGE 1981-2010		RECORD HIGHEST	YEAR	AVERAGE 1981-2010		RECORD HIGHEST	YEAR
JAN	-4.0	17th	-10.0	29/1947	1	1.6	16	1963	6	7.1	20	1985
FEB	-6.7	16th	-11.1	12/1978	0	1.9	18	1986	6	8.5	24	1956
MAR	-4.3	12th	-9.4	3/1965	0	0.3	4	1947	10	6.8	18	1955
APR	-3.0	18th	-7.0	5/1990	0	0.0	1	1978,86	8	4.7	10	1984
MAY	-1.1	1st	-5.6	5/1979	0	0.0	--		2	1.5	9	1979
JUN	3.1	4th	-3.0	14/1987	0	0.0	--		0	0.3	3	1987,89
JUL	6.2	7th	1.0	7/1996	0	0.0	--		0	0.0	--	
AUG	6.6	1st	0.8	11/1981	0	0.0	--		0	0.0	--	
SEP	6.3	11th	-1.0	23/1979	0	0.0	--		0	0.1	1	1979,86,87
OCT	2.3	14th	-4.0	30/1983	0	0.0	--		0	1.0	6	1992
NOV	-4.6	30th	-5.6	29/1987	1	0.1	2	2010	2	3.3	9	1988
DEC	-2.8	30th	-8.9	29/1964,27/1995	0	0.5	5	1970	8	6.2	13	2010
YEAR	-6.7	16-Feb	-11.1	12/02/1978	2	4.5	31	1963	42	39.4	62	1985

* NEW RECORD

NUMBER OF DAYS WITH

MONTH	FOG						THUNDER			
	AVERAGE 1981-2010		RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	AVERAGE 1981-2010		RECORD HIGHEST	YEAR
JAN	7	6.5	13	1955,82	2	1963,67,72,74,92	0	0.6	4	1979,98
FEB	6	6.6	15	1979	0	1969	1	0.6	3	1957,89
MAR	4	8.5	16	1960,94	0	1968,73	1	0.5	4	1958,67,82,87,95
APR	3	6.7	16	1963	2	1976,90	0	0.8	4	1981,95
MAY	12	7.7	19	1964	2	1988	0	1.1	4	1950,71
JUN	18 *	9.3	18	1965	1	1975	1	1.4	6	1982
JUL	13	10.0	20	1972,78	3	2008	0	1.4	5	1982,94
AUG	9	9.2	21	1997	2	1976	2	1.2	5	1974
SEP	7	5.4	15	1987	0	1952,53,72	3	0.8	10	1976
OCT	2	4.1	17	1986	0	–	0	1.3	5	1964
NOV	4	3.3	14	1992	0	–	1	0.9	4	1969
DEC	10	4.5	11	1995	0	1947,64,75	0	1.0	4	1976,93
YEAR	95	81.7	115	1994	52	2008	9	11.6	21	1982,95

MONTH	SNOW OR SLEET				HAIL					
	AVERAGE 1981-2010		RECORD HIGHEST	YEAR	AVERAGE 1981-2010		RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR
JAN	0	2.8	12	1963,85	8	5.1	13	1984,85	0	1955,64,70,92,93
FEB	1	4.0	18	1956	7	4.8	18	2014	0	—
MAR	0	1.3	10	1962,70	5	3.9	10	2008	0	—
APR	0	0.6	4	1970	5	2.6	10	1994	0	—
MAY	0	0.0	3	1979	0	0.6	3	1955,82	0	—
JUN	0	0.0	—		1	0.1	1	1986,87	0	—
JUL	0	0.0	—		0	0.1	1	1971,87,94 2014	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	—		0	1.6	7	1992	0	—
NOV	0	0.5	6	2010	4	3.8	11	2000	0	1948,55,83,94,95
DEC	0	1.7	10	2010	0	4.7	13	2009	0	1964,68,75
YEAR	1	11.0	33	2010	30	27.7	50	1986	10	1964

MONTH	RAIN DAYS(≥0.2mm)				WET DAYS(≥1.0mm)					
		RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR		RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR
JAN	26	31	1948	4	1992	19	28	1948	3	1992
FEB	21	26	1970,95	2	1959	15	23	1951	1	1965
MAR	13	27	1979	3	1961	11	21	1947	1	1961
APR	14	21	1983	2	2011	7	18	1966	1	1976,'80,'11
MAY	13	26	1981	2	1989	9	19	1981	1	1989
JUN	14	21	1991	3	1975,76	9	14	1987,91	0	1976
JUL	8	20	1960,07	3	1999	2	15	1950,07	1	1999
AUG	10	21	1963	1	1976	6	18	1992	1	1955,76
SEP	12	23	1950,52	4	1959,97	9	21	1950	2	1959,97
OCT	12	28	1981	5	1965,78	7	24	1981	1	1978
NOV	21	28	2009	8	1978	18	26	2009	5	1988
DEC	9	28	1993	8	1991	7	26	1959	5	1991
YEAR	173	212	1960	138	1971	119	175	1960	96	1953

WIND SPEED

MONTH	MEAN SPEED (KNOTS)		NUMBER OF DAYS OF GALES				HIGHEST GUST (KNOTS)			
	AVERAGE 1981-2010		AVERAGE 1981-2010		RECORD HIGHEST	YEAR	DATE		RECORD HIGHEST	DATE
JAN	15.6	14.2	2	2.1	11	1984	53	7th	77	25/1990
FEB	14.0	13.1	2	1.1	10	1990	64	8th	69	9/1988,11/1990
MAR	12.4	12.3	4	0.6	6	1980	61	28th	70	10/1982
APR	10.1	11.4	0	0.2	2	1964,72,83,94	36	6th,15th,20th	60	9/1994
MAY	8.5	10.9	0	0.2	2	2007	33	18th	58	19/1996
JUN	9.1	10.1	0	0.0	0	—	28	12th,14th,20th,28th	51	16/1965
JUL	9.3	10.2	0	0.0	1	1956,69	29	10th	63	31/1983
AUG	9.6	9.7	0	0.0	1	1956,61,86	37	20th	52	26/1986
SEP	8.7	10.8	0	0.1	2	1953,65,74,83	30	3rd,8th	60	29/1962
OCT	8.7	12.4	0	0.9	4	1967,76	36	23rd	81	16/1987
NOV	12.7	13.0	3	0.8	8	1977	73 *	20th	73	23/1984
DEC	9.2	13.7	0	1.8	9	1979	33	23rd	83	15/1979
YEAR	10.7	11.8	11	7.8	20	1972	73	20-Nov	83	15/12/1979

PERCENTAGE FREQUENCIES OF HOURLY MEAN WIND SPEED AND DIRECTION

2016

MONTH	DIRECTION RANGE		350 -010	020 -040	050 -070	080 -100	110 -130	140 -160	170 -190	200 -220	230 -250	260 -280	290 -310	320 -340	SPEED ONLY
	SPEED RANGE														
JAN	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	2.6
	4-10	knots	0.4	0.1	0.1	3.5	2.8	1.6	1.5	2.3	2.7	0.9	0.8	0.4	17.2
	11-21	knots	0.1	0	0	0	1.5	10.2	6.6	13.7	9.9	5.0	8.6	4.3	59.9
	22-33	knots	0.1	0	0	0	0.4	3.4	1.3	4.4	6.2	3.0	1.3	0	20.2
	≥34	knots	0	0	0	0	0	0	0	0	0	0.1	0	0	0.1
	DIRECTION ONLY		0.7	0.1	0.1	3.5	4.7	15.2	9.4	20.4	18.8	9.0	10.8	4.7	
FEB	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	6.2
	4-10	knots	3.4	3.9	1.6	1.4	1.0	0.9	1.6	1.6	2.6	1.6	2.4	5.5	27.4
	11-21	knots	2.6	3.4	3.9	1.3	1.9	2.2	6.0	5.3	11.8	9.8	4.5	1.1	53.7
	22-33	knots	0	0	0	0	0	0	1.6	1.1	7.3	1.3	0	0	11.4
	≥34	knots	0	0	0	0	0	0	0	0	1.3	0	0	0	1.3
	DIRECTION ONLY		6.0	7.3	5.5	2.7	2.9	3.0	9.2	8.0	23.0	12.6	6.9	6.6	
MAR	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	8.5
	4-10	knots	5.6	5.9	4.6	0.8	0	0.8	0.1	0.3	3.0	2.0	4.3	3.2	30.6
	11-21	knots	4.7	3.5	16.7	0.7	0	1.3	2.4	8.2	5.1	2.0	2.8	2.4	49.9
	22-33	knots	0.4	0	0	0	0	0.4	0.8	0.1	3.5	1.5	3.4	0.7	10.8
	≥34	knots	0	0	0	0	0	0	0.1	0.1	0	0	0	0	0.3
	DIRECTION ONLY		10.8	9.4	21.2	1.5	0	2.6	3.5	8.7	11.6	5.5	10.5	6.3	
APR	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	6.8
	4-10	knots	3.2	2.5	2.1	2.4	5.0	5.7	3.8	2.9	1.1	5.7	8.9	5.3	48.5
	11-21	knots	0	1.1	4.9	1.5	2.6	3.3	3.3	1.7	6.3	9.4	7.4	2.2	43.8
	22-33	knots	0	0	0.1	0	0	0	0	0.3	0.4	0.1	0	0	1.0
	≥34	knots	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIRECTION ONLY		3.2	3.6	7.1	3.9	7.6	9.0	7.1	4.9	7.8	15.3	16.3	7.5	
MAY	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	10.5
	4-10	knots	5.2	8.5	5.9	4.3	5.9	2.7	3.0	4.3	2.8	5.6	8.3	3.9	60.5
	11-21	knots	0.5	1.9	3.2	3.1	3.5	0.3	0.7	3.6	3.2	4.8	3.0	1.2	29.0
	22-33	knots	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	≥34	knots	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIRECTION ONLY		5.8	10.3	9.1	7.4	9.4	3.0	3.6	7.9	6.0	10.5	11.3	5.1	
JUN	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	10.1
	4-10	knots	6.8	7.4	3.6	2.8	1.4	1.4	1.9	3.6	5.6	8.1	6.3	2.6	51.4
	11-21	knots	0.7	1.9	0	0	0	0	0.6	5.4	15.1	12.9	1.8	0	38.5
	22-33	knots	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	≥34	knots	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIRECTION ONLY		7.5	9.3	3.6	2.8	1.4	1.4	2.5	9.0	20.7	21.0	8.1	2.6	
JUL	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	9.0
	4-10	knots	1.2	1.1	1.6	1.5	0.9	0.4	1.9	5.8	8.9	11.2	12.0	4.8	51.2
	11-21	knots	0	0	0.1	0.9	1.3	0.1	1.5	3.0	20.3	10.3	2.2	0	39.8
	22-33	knots	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	≥34	knots	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIRECTION ONLY		1.2	1.1	1.7	2.4	2.3	0.5	3.4	8.7	29.2	21.5	14.1	4.8	
AUG	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	8.2
	4-10	knots	5.6	3.6	4.3	3.5	1.2	1.7	1.3	4.4	2.8	9.9	8.3	7.3	54.2
	11-21	knots	0	0	1.6	0.5	0.8	0.5	0.9	4.6	13.7	10.6	2.8	0	36.2
	22-33	knots	0	0	0	0	0	0	0	0	1.5	0	0	0	1.5
	≥34	knots	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIRECTION ONLY		5.6	3.6	5.9	4.0	2.0	2.3	2.3	9.0	18.0	20.6	11.2	7.3	
SEP	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	9.4
	4-10	knots	2.8	1.9	2.4	3.5	6.1	5.8	4.7	8.5	5.8	6.9	6.3	4.0	58.8
	11-21	knots	0.1	0.1	0	0	0.6	2.6	5.1	3.8	9.0	6.5	3.1	0.8	31.8
	22-33	knots	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	≥34	knots	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIRECTION ONLY		2.9	2.1	2.4	3.5	6.7	8.5	9.9	12.2	14.9	13.5	9.3	4.9	
OCT	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	16.8
	4-10	knots	3.4	7.4	3.8	13.2	4.7	1.9	1.7	2.3	2.4	1.2	2.6	2.2	46.6
	11-21	knots	0	0	5.0	15.9	2.4	0.9	1.6	2.7	3.2	2.6	1.9	0.1	36.3
	22-33	knots	0	0	0	0.3	0	0	0	0	0	0	0	0	0.3
	≥34	knots	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIRECTION ONLY		3.4	7.4	8.7	29.3	7.1	2.8	3.4	5.0	5.6	3.8	4.4	2.3	
NOV	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	6.9
	4-10	knots	8.8	4.3	1.7	4.4	2.2	2.9	1.1	0.8	1.5	2.2	0.8	5.3	36.1
	11-21	knots	3.2	3.3	8.9	3.9	0	2.6	3.9	2.1	5.1	10.0	4.3	0.6	47.9
	22-33	knots	0	0.1	0.8	0	0	0.7	0	0.6	2.6	1.8	1.7	0	8.3
	≥34	knots	0	0	0	0	0	0	0	0.3	0.3	0.1	0	0	0.7
	DIRECTION ONLY		11.9	7.8	11.4	8.3	2.2	6.3	5.0	3.8	9.6	14.2	6.8	5.8	
DEC	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	17.6
	4-10	knots	1.1	0.9	1.3	3.8	4.7	10.8	5.9	3.8	2.7	0.9	0.4	1.6	37.9
	11-21	knots	0	0	0	5.9	4.2	11.6	7.7	7.3	5.1	2.0	0.7	0.1	44.5
	22-33	knots	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	≥34	knots	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIRECTION ONLY		1.1	0.9	1.3	9.7	8.9	22.3	13.6	11.0	7.8	3.0	1.1	1.7	
YEAR	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	9.7
	4-10	knots	4.1	4.1	2.8	3.6	2.9	3.1	2.4	3.4	3.5	4.8	5.3	3.9	44.1
	11-21	knots	1.0	1.3	3.8	2.9	1.6	2.4	3.2	4.7	9.0	7.2	3.6	1.1	41.9
	22-33	knots						0.4	0.3	0.3	1.7	0.6	0.6		4.1
	≥34	knots									0.1				0.2
	DIRECTION ONLY		6.9	6.8	7.4	7.0	4.9	6.4	6.2	9.0	15.0	13.4	10.5	6.4	

GUERNSEY AIRPORT MET OFFICE 2016

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			1.5				1.5	1.0					
2					1.5			9.5	1.0				
3			0.5				2.5	4.5					
4		3.0					6.5						
5									3.5				
6				1.0		5.5						0.5	
7						9.0		8.0					
8							0.5						
9												3.0	
10					6.5		3.5		1.0				
11					4.0							0.5	
12					14.0	7.5					4.0	0.5	
13						0.5						0.5	
14													
15											12.0		
16						0.5	0.5						
17								1.0				1.5	
18								3.0					
19		0.5											
20		2.0			0.5	16.0							
21		5.0			1.0	4.0						0.5	
22	1.0	2.0		15.5	1.0	5.5							
23	1.0					3.5							
24	1.5						5.5						
25													
26						3.0							
27	1.0				3.0		9.0						
28					3.5		7.5						
29							0.5						
30						4.5		0.5					
31	2.0												
Tot Hrs	6.5	12.5	2.0	16.5	35.0	59.5	37.5	27.5	5.5	0.0	16.0	7.0	225.5
Tot Days	5	5	2	2	9	11	10	7	3	0	2	7	63

GUERNSEY AIRPORT MET OFFICE 2016

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							1.0						
2					1.0			6.0	1.0				
3							2.0	2.5					
4		0.5					4.0						
5									3.5				
6				1.0		4.0						0.5	
7						7.5		5.5					
8													
9												1.5	
10					3.5		2.5						
11					2.5							0.5	
12					9.0	5.0					1.0		
13						0.5							
14													
15											6.5		
16													
17													
18								2.0					
19													
20					0.5	14.0							
21		2.5			1.0	0.5							
22	1.0	0.5		9.0		2.5							
23	0.5					3.5							
24	0.5						3.0						
25												///	
26						2.5							
27					3.0		4.5						
28					2.5		4.0						
29													
30						3.0		0.5					
31	0.5												
Tot Hrs	2.5	3.5	0.0	10.0	23.0	43.0	21.0	16.5	4.5	0.0	7.5	2.5	134.0
Tot Days	4	3	0	2	8	10	7	5	2	0	2	3	46

REPORT FOR LIHOU

MONTH	TEMPERATURE °C						RAINFALL mm		
	MEAN MAXIMUM	HIGHEST MAXIMUM	DATE	MEAN MINIMUM	LOWEST MINIMUM	DATE	TOTAL	WETTEST DAY	DATE
JAN	10.5	12.9	24th	7.7	1.9	20th	151.2	18.7	3rd
FEB	9.7	12.3	6th	6.9	4.5	16th	108.9	21.1	13th
MAR	10.0	13.0	26th	6.6	3.9	4th,5th	70.6	20.1	9th
APR	11.7	14.4	3rd	7.8	4.6	17th	33.4	7.4	14th
MAY	15.1	21.3	7th	10.5	7.0	4th,5th	56.9	17.9	10th
JUN	16.5	20.6	22nd	12.7	9.8	3rd	39.6	9.0	22nd
JUL	19.0	32.0	19th	14.6	11.6	7th	6.0	3.0	3rd
AUG	19.9	29.0	23rd	15.8	14.6	30th	31.8	9.2	3rd
SEP	19.7	25.8	7th	15.8	13.3	11th	40.6	12.5	16th
OCT	15.7	18.7	31st	11.9	9.6	14th	42.0	9.6	23rd
NOV	12.5	17.0	1st	9.6	3.4	30th	81.4	15.3	4th
DEC	11.7	13.6	10th	8.6	4.3	31st	24.9	6.4	21st
YEAR	14.3	32.0	19-Jul	10.7	1.9	20-Jan	687.3	21.1	13-Feb

REPORT FOR SARK

MONTH	TEMPERATURE °C						RAINFALL mm			SUNSHINE HRS
	MEAN	HIGHEST	DATE	MEAN	LOWEST	DATE	TOTAL	WETTEST	DATE	
	MAXIMUM	MAXIMUM		MINIMUM	MINIMUM			DAY		
JAN	10.0	12.3	24th	5.8	0.7	19th	183.0	19.1	3rd	37.6
FEB	9.4	11.8	6th	5.1	2.7	15th	120.5	19.5	7th	74.5
MAR	10.4	13.2	23rd	5.3	2.3	4th	79.0	14.9	8th	166.0
APR	13.2	17.0	17th	6.2	3.9	19th	32.2	5.5	21st	241.2
MAY	15.8	19.5	7th	9.7	5.3	1st	42.0	15.4	12th	232.4
JUN	17.6	21.6	22nd	12.0	8.9	3rd	44.7	12.6	22nd	153.9
JUL	20.8	33.3 *	19th	13.3	9.6	6th	10.7	4.6	2nd	255.8
AUG	21.4	29.6	23rd	14.6	12.6	29th	53.5	31.6	2nd	283.4
SEP	20.4	23.3	13th	14.2	10.6	22nd	44.5	10.9	13th	169.9
OCT	15.7	18.4	2nd	10.7	8.3	13th	41.5	12.1	15th	163.4
NOV	12.1	17.7	1st	7.6	2.1	29th	121.9	17.3	19th	69.6
DEC	11.1	13.9	10th	6.8	2.4	30th&31st	26.1	6.6	19th	56.0
YEAR	14.8	33.3	19-Jul	9.3	0.7	19-Jan	799.6	31.6	02-Aug	1903.7

* NEW RECORD

REPORT FOR ALDERNEY

MONTH	TEMPERATURE °C						RAINFALL mm		
	MEAN	HIGHEST	DATE	MEAN	LOWEST	DATE	TOTAL	WETTEST	DATE
	MAXIMUM	MAXIMUM		MINIMUM	MINIMUM			DAY	
JAN	10.6	12.9	25th	6.9	0.8	19th	131.7	25.2	13th
FEB	10.7	13.5	23rd	6.1	0.1	16th	97.4	11.8	13th
MAR	12.1	16.6	25th	5.5	0.9	7th	74.8	15	10th & 27th
APR	16.1	22.4	15th	8.1	5.3	4th	21.6	8.5	3rd
MAY	18.7	25.1	8th	10.5	5.3	4th & 6th	27.7	6.2	31st
JUN	19.2	25.1	5th	17.9	9.7	4th	68.0	15.0	22nd
JUL	24.0	35.0 *	19th	14.4	9.5	5th	17.2	7	2nd
AUG	23.7	30.0	23rd	15.7	14.0	19th	37.6	17.5	2nd
SEP	22.3	27.6	13th	15.4	10.6	10th	51.0	17.5	13th
OCT	18.0	23.4	3rd	11.6	8.8	13th & 14th	52.1	11.2	15th
NOV	13.4	20.2	1st	8.7	1.7	29th	100.2	19.5	19th
DEC	12.2	14.4	5th	7.3	2.5	28th	26.5	8.2	21st
YEAR	16.8	35.0	19-Jul	10.7	0.1	16-Feb	705.8	25.2	13-Jan

METEOROLOGICAL OBSERVATIONS AT GUERNSEY AIRPORT - JANUARY 2016

DAY	DATE	BAROMETER	TEMPERATURE deg C						WIND				RAIN	SUN	WEATHER			
		mb	AIR			GRASS	SOIL		DIR'N	SPEED(knots)			mm	hrs				
		at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX						
FRI	1	1017.6	10.3	4.6	7.5	-1.2	9.9	11.7	120	14	17.0	39	4.7	NIL	Cloudy, rain am & early pm, showers evening			
SAT	2	994.3	11.6	8.7	10.2	7.9	10.1	11.6	230	23	26.6	50	7.6	NIL	Cldy, shwrs then rain/drz and mist clearing by evening. Gale pm.			
SUN	3	991.2	11.6	7.6	9.6	6.3	10.0	11.5	160	26	19.5	46	16.4	0.9	Heavy rain am, gave way to showers pm.			
MON	4	986.1	10.8	7.3	9.1	5.6	9.8	11.4	240	25	22.2	45	12.0	2.1	Frequent blustery showers throughout the day			
TUE	5	985.6	9.9	7.8	8.9	6.5	9.7	11.3	250	15	14.6	37	4.1	0.1	Cldy with showers occn heavy, bec isol late eve.			
WED	6	997.9	10.4	7.9	9.2	5.0	9.6	11.2	320	10	14.0	39	10.9	1.2	Cloudy with shwrs am. Fair early pm then cldy with rain by eve			
THU	7	989.1	12.0	6.8	9.4	6.6	9.8	11.1	270	33	20.2	53	0.4	4.4	Rain/fog early, cleared to squally showers, gales am, wind dec pm			
FRI	8	1000.5	11.1	7.1	9.1	3.1	9.2	11.1	190	13	12.5	24	TR	6.0	Fair/Fine with isolated showers			
SAT	9	993.4	10.8	7.4	9.1	5.8	9.4	10.9	180	17	19.9	47	5.0	0.4	Cloudy with occn shwrs, occn heavy. Hail eve			
SUN	10	987.8	9.4	5.8	7.6	4.4	9.2	11.0	220	16	18.6	45	7.6	1.0	Cloudy with showers of rain throughout day & hail, some fair ints.			
MON	11	982.2	9.6	5.8	7.7	3.7	9.0	10.8	250	07	16.3	40	6.1	1.0	Mainly cloudy with squally rain and hail showers.			
TUE	12	1003.2	8.8	5.4	7.1	4.0	8.7	10.7	300	17	20.3	43	0.2	3.4	Cloudy occ rain & hail shwrs am.Fair/fine & iso shwrs pm & eve.			
WED	13	1019.7	8.5	5.3	6.9	-0.1	8.3	10.6	250	08	13.2	34	11.4	2.4	Mainly cloudy with showers, heavy in the evening with hail.			
THU	14	1009.7	8.1	5.2	6.7	2.3	8.2	10.5	300	17	14.6	31	0.2	5.6	Cloudy, shwrs of rain/ hail heavy overnight. Bec fair/fine aft/eve			
FRI	15	1023.1	7.1	3.8	5.5	1.4	7.7	10.3	320	19	15.9	34	0.6	4.0	Fair with sunny periods and isol rain & hail showers.			
SAT	16	1031.1	7.0	4.4	5.7	-0.2	7.4	10.2	360	07	6.0	25	1.5	2.5	Fine am, cloudy afternoon, fine again by evening.			
SUN	17	1025.7	8.7	4.1	6.4	-4.0	7.4	10.1	180	05	9.4	30	9.4	NIL	Showers clearing by mid am, cloudy. Rain from late eve.			
MON	18	1009.4	6.3	3.8	5.1	3.5	7.6	9.9	130	21	16.3	37	1.0	NIL	Cloudy, moderate rain petered out by afternoon.			
TUE	19	1015.3	5.1	0.4	2.8	-3.6	7.2	9.8	090	06	6.4	12	NIL	4.6	Cloudy early, became fine.			
WED	20	1018.5	5.8	-0.5	2.7	-3.9	6.7	9.7	140	09	8.6	20	TR	0.7	Early frost, bec cloudy by noon. Light drizzle mid eve			
THU	21	1020.3	6.0	4.1	5.1	3.5	6.9	9.5	140	15	14.6	26	7.4	2.0	Cloudy with early mist. Rain from early evening with drizzle later.			
FRI	22	1014.9	12.1	5.0	8.6	4.7	7.3	9.3	170	16	15.3	29	3.3	1.4	Rain heavy for a time am, fair/fine pm.			
SAT	23	1031.7	10.3	7.5	8.9	6.1	7.9	9.3	190	10	12.5	24	0.8	NIL	Fair ints otherwise cloudy with mist/fog patches. Rain by eve.			
SUN	24	1028.8	12.2	9.8	11.0	7.7	8.5	9.3	180	11	11.6	24	NIL	NIL	Low cloud, mist/fog throughout the day. Low cloud clring by eve.			
MON	25	1020.3	12.9	8.8	10.9	6.4	8.8	9.3	170	11	12.6	29	TR	1.0	Cloudy light rain noon & supertime. Occn fair mid pm. Fine eve.			
TUE	26	1020.9	11.1	8.3	9.7	5.3	8.8	9.4	190	22	18.4	35	7.8	NIL	Fine at first became cloudy with mainly light rain pm.			
WED	27	1012.8	11.7	8.8	10.3	9.4	9.1	9.5	200	20	16.8	34	13.6	NIL	Cloudy, rain heavy at times and with hill fog patches, cleared eve.			
THU	28	1027.8	9.9	6.0	8.0	0.7	9.0	9.6	260	02	10.5	32	0.6	6.6	Fair or fine.			
FRI	29	1025.5	11.2	8.7	10.0	4.9	8.9	9.7	230	21	22.5	40	10.7	0.2	Cloudy with occn light rain and drizzle			
SAT	30	1013.7	10.4	6.8	8.6	7.1	9.3	9.7	250	18	16.5	41	4.7	NIL	Cloudy, rain mod/heavy at times, clearing eve, few isol shwrs			
SUN	31	1011.4	11.4	7.4	9.4	5.3	9.1	9.7	250	21	19.0	38	0.4	NIL	Overcast and occ mist with drizzle at times. fog patches am.			
MEAN		1010.0	9.7	6.1	7.9	3.7	8.7	10.3	S	15.3	15.6	TOTAL	148.4	51.5				
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				
		26	19	0	8	0	4	1	6	7	0	2	10					
RECORDS FROM JANUARY 1947															RAINFALL	148.4 mm	SUNSHINE	51.5 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	26	SUNLESS DAYS	10					
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	WET DAYS	19							

METEOROLOGICAL OBSERVATIONS AT GUERNSEY AIRPORT - FEBRUARY 2016

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
MON	1	1023.2	11.8	10.2	11.0	9.6	9.5	9.8	230	19	20.7	34	8.4	0.1	Cloudy, drizzle at times.a short sharp spell of heavy rain late eve.			
TUE	2	1019.8	11.0	6.1	8.6	7.8	9.7	9.8	300	15	15.0	34	3.4	4.3	Ra/drz & fog patch am, clrng to fine pm, cldy eve with shwrs			
WED	3	1026.6	9.1	4.5	6.8	1.9	9.2	9.9	290	22	17.1	36	0.2	4.9	Cldy, iso shwrs or rain or hail, becoming fair with sunny intervals			
THU	4	1029.9	10.6	7.2	8.9	3.1	9.0	9.9	280	16	15.7	31	0.7	NIL	Ovst and misty with fog banks with of light rain & drizzle.			
FRI	5	1023.5	11.0	9.1	10.1	7.8	9.4	9.9	190	12	14.0	25	TR	0.3	Mainly cloudy, with some patchy light rain or drizzle.			
SAT	6	1002.3	11.9	7.2	9.6	8.3	9.6	9.9	180	21	21.5	50	8.6	NIL	Light rain early am, then rain, occn heavy, shwrs late eve.			
SUN	7	999.2	10.3	4.4	7.4	0.3	9.2	10.0	240	19	23.3	60	12.5	1.7	Shwrs, occn heavy with hail. Rain/drizzle from mid pm, gale late			
MON	8	994.3	11.1	4.4	7.8	2.8	9.1	9.9	260	35	31.0	64	14.1	4.8	Stormy day with gales, squally shwrs occ with hail/thunder.			
TUE	9	988.9	8.8	3.5	6.2	3.8	8.8	9.9	300	12	15.7	39	7.7	NIL	Heavy rain am gave way to rain/hail showers.			
WED	10	1000.6	8.8	4.2	6.5	2.2	8.1	9.8	280	18	16.1	41	8.5	4.8	Fair with occ showers rain/hail more frequent am.			
THU	11	1006.0	8.4	3.4	5.9	-1.1	7.9	9.7	250	04	8.0	21	6.4	6.0	Fair with showers.			
FRI	12	988.6	7.9	4.9	6.4	2.7	8.0	9.6	100	10	9.0	29	16.7	1.0	Rain/dz dying out mid-morning. Fair intervals after lunchtime.			
SAT	13	975.3	10.1	5.1	7.6	1.7	8.1	9.5	150	14	10.7	29	4.4	1.6	Heavy rain at trimes am, some sunny ints pm with isol showers.			
SUN	14	991.1	6.9	4.5	5.7	1.6	8.2	9.4	050	03	8.6	26	3.5	0.2	Showers throughout, occ heavy. Clearing eve			
MON	15	1024.6	6.8	3.6	5.2	0.7	7.7	9.4	010	15	11.1	26	NIL	8.3	Light shwr am, otherwise fair/fine with good vis and occn dry air			
TUE	16	1036.4	7.9	2.3	5.1	-6.7	7.2	9.3	160	02	6.0	21	NIL	3.4	Fair or fine with excellent visibility becoming partly cloudy.			
WED	17	1018.3	6.0	4.8	5.4	1.2	7.1	9.2	170	17	14.8	29	10.1	NIL	Cloudy rain from mid morning persistent & heavy at times			
THU	18	1015.7	8.0	4.0	6.0	2.1	7.2	9.1	330	11	8.3	20	0.7	7.5	Isol shwr am bec fine midday, then cldy with occ shwrs pm/eve			
FRI	19	1020.2	9.3	3.8	6.6	-1.0	7.2	8.9	220	16	14.2	31	2.0	2.5	Light shwrs am, cldy pm with rain/dz, fog by mid eve			
SAT	20	1018.1	10.5	9.2	9.9	7.4	7.8	8.9	260	18	22.5	40	0.8	NIL	Overcast and generally misty with occasional drizzle and fog.			
SUN	21	1020.0	10.7	10.0	10.4	9.8	8.5	8.9	240	18	19.2	35	1.8	NIL	Ovst with drizzle and fog, clearing eve remaining misty			
MON	22	1012.4	10.7	6.9	8.8	9.6	9.0	9.0	250	16	13.4	26	5.8	NIL	Overcast with drizzle fog am, Rain/drizzle and occ fog pm/ eve			
TUE	23	1018.7	9.4	5.0	7.2	0.0	8.8	9.1	320	04	5.4	16	TR	7.3	Rain early became fine.			
WED	24	1015.8	8.1	5.3	6.7	-1.6	8.6	9.2	110	10	8.3	19	TR	2.1	Light rain at dawn and light shwrs mid eve. Cloudy bec fair pm.			
THU	25	1019.0	7.8	2.8	5.3	-4.4	8.2	9.2	350	04	4.3	13	0.5	2.1	Fair /cldy with excellent visibility at times. Light sleet shower am.			
FRI	26	1008.6	6.7	3.7	5.2	-1.0	8.0	9.2	150	17	13.5	26	NIL	1.1	Cloudy some fair intervals, dry air, cold			
SAT	27	1005.1	6.8	3.9	5.4	1.8	7.7	9.1	070	17	16.4	34	NIL	1.5	Cloudy with occ sunny periods. Dry Air.			
SUN	28	1016.7	7.7	5.4	6.6	4.3	7.6	9.0	050	19	15.9	34	0.0	3.0	Some fair periods pm, otherwise cloudy. Dry air.			
MON	29	1027.6	7.1	5.1	6.1	4.0	7.7	9.0	360	05	6.1	18	0.4	0.1	Cloudy. Light rain late eve.			
MEAN		1011.9	9.0	5.3	7.2	2.7	8.3	9.4	W	14.1	14.0	TOTAL	117.2	68.6				
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				
		21	15	1	7	1	1	0	6	6	1	2	7					
RECORDS FROM JANUARY 1947															RAINFALL	265.6 mm	SUNSHINE	120.1 hrs
WETTEST DAY DAY/YEAR	59.0mm 18th/1978	DRIEST MONTH YEAR	4.8mm 1965	LOWEST MIN DAY/YEAR	-7.2°C 21st/48,7th/91	WARMEST MNTH YEAR	9.0°C 1990	SUNNIEST MNTH YEAR	143.9 2008	RAIN DAYS	47	SUNLESS DAYS	17	WET DAYS	34			
WETTEST MNTH YEAR	182.8mm 1978	HIGHEST MAX DAY/YEAR	15.0°C 29th/1948	LOWEST GRASS DAY/YEAR	-11.1°C 12th/1978	COLDEST MNTH YEAR	1.5°C 1986	DULLEST MNTH YEAR	36.1hrs 1976									

METEOROLOGICAL OBSERVATIONS AT GUERNSEY AIRPORT - MARCH 2016

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	mm	hrs				
TUE	1	1018.0	10.5	6.0	8.3	3.1	8.0	8.9	230	21	19.1	33	4.7	NIL	Cloudy with rain,drizzle, mist & fog. Clearing eve time			
WED	2	1008.2	9.3	3.4	6.4	3.3	8.2	8.9	250	22	24.4	59	1.7	4.9	Rain/hail shwrs am, gales and TS around midday. Occ shwrs pm.			
THU	3	1011.3	9.7	6.2	8.0	3.8	8.0	8.9	310	14	16.5	42	7.6	1.7	Fair with isol rain/hail showers, bec cldy with ra/dz from late aft.			
FRI	4	994.1	8.8	2.4	5.6	0.0	8.2	8.9	310	05	7.8	31	7.5	4.3	Rain, occ heavy, clrng by dawn. Sct rain/hail shwrs thru the day.			
SAT	5	1000.2	6.9	1.7	4.3	-0.6	7.9	8.9	350	10	10.0	24	TR	7.6	Fair/fine with isolated showers.			
SUN	6	1010.0	7.6	3.7	5.7	-0.3	7.8	8.9	310	10	8.0	24	0.2	2.7	Cloudy with isolated showers.			
MON	7	1011.3	7.6	3.7	5.7	-1.4	7.6	8.9	350	12	10.1	25	1.0	6.8	Fine, dry air, ex vis, became cloudy in eve with isol showers.			
TUE	8	1017.8	8.8	3.4	6.1	-0.6	7.7	8.9	270	08	10.4	30	13.8	NIL	Cloudy with light rain but good vis am, drizzle from mid pm.			
WED	9	993.3	9.6	5.5	7.6	4.9	8.1	8.8	300	31	27.7	55	3.5	NIL	Rain moderate/heavy at times. Stormy throughout day, gales			
THU	10	1019.0	8.6	6.1	7.4	4.8	7.7	8.8	350	13	11.0	33	NIL	2.1	Cloudy day, good viz late afternoon.			
FRI	11	1028.1	9.4	5.1	7.3	-1.7	7.8	8.8	330	02	3.8	11	NIL	1.0	Cldy am, occn fair pm, cldy eve with haze. Funnel cloud midday			
SAT	12	1030.4	9.5	1.8	5.7	-4.3	7.5	8.8	090	02	4.1	11	NIL	6.3	Fair with hazy sunshine.			
SUN	13	1032.7	9.4	4.1	6.8	-2.5	7.5	8.8	050	09	10.5	28	NIL	9.3	Fine day, but hazy			
MON	14	1029.3	8.6	5.4	7.0	3.6	7.7	8.7	060	16	15.3	32	NIL	8.5	Fine day, hazy until mid day.			
TUE	15	1028.1	9.7	5.0	7.4	2.3	7.9	8.7	070	11	11.5	24	TR	9.7	Fine, with haze, became cloudy during evening			
WED	16	1026.8	9.9	6.0	8.0	4.8	8.4	8.7	070	14	14.2	29	NIL	5.7	A little drzl early am then fair periods and cloudy spells			
THU	17	1027.5	9.5	5.9	7.7	3.0	8.3	8.8	060	16	13.1	27	NIL	10.1	Hazt at first, then fine sunny day			
FRI	18	1025.7	8.5	4.7	6.6	1.6	8.3	8.8	050	08	9.0	22	TR	6.7	Fine bec Fair/cloudy			
SAT	19	1023.7	7.8	5.2	6.5	4.3	8.6	8.9	060	13	13.9	29	TR	NIL	Cloudy, a little very light drizzle.			
SUN	20	1023.5	7.4	5.9	6.7	5.4	8.5	8.9	050	15	12.5	28	TR	NIL	Overcast with a little v. lt rain & drizzle. Bec fair after sunset.			
MON	21	1024.6	11.2	5.4	8.3	2.4	8.4	8.9	060	07	5.5	16	NIL	8.4	Cloudy becoming fair to fine good sunny intervals			
TUE	22	1018.9	10.2	5.0	7.6	-2.6	8.5	8.9	360	03	4.0	15	NIL	3.7	Cloudy becoming fine mid pm.			
WED	23	1018.2	11.0	4.2	7.6	-3.8	8.3	8.9	020	03	4.7	14	NIL	9.6	Fine sunny day, a little cloudier towards evening time			
THU	24	1017.7	10.0	4.8	7.4	-1.6	8.5	9.0	240	11	11.0	25	4.9	0.1	Cloudy with rain, drizzle from mid afternoon			
FRI	25	1016.4	11.4	6.7	9.1	7.1	8.7	9.0	330	11	9.7	27	NIL	10.7	Rain/dz/fog, clearing by dawn fo fine. High cloud at times pm.			
SAT	26	1006.4	12.5	7.4	10.0	3.2	9.3	9.0	160	20	17.9	35	4.6	0.1	Misty,patchy rain to mid am, bec cldy with occ rain heavy at times.			
SUN	27	1004.1	11.3	6.0	8.7	4.4	9.2	9.1	210	17	20.8	54	13.4	5.8	Isol shwrs, heavy rain during eve. Winds inc to gale force.			
MON	28	995.0	10.6	5.6	8.1	4.7	9.4	9.2	240	20	25.0	61	5.0	6.4	Rain & gales early am, clrng to fair with blustery shwrs of rain/hail.			
TUE	29	1007.0	11.9	5.8	8.9	4.1	9.0	9.3	240	10	15.1	35	0.2	5.2	Occ shwrs. Cloudy pm and evening with isol shwrs			
WED	30	1010.4	10.9	6.3	8.6	5.3	9.2	9.3	230	11	8.2	24	NIL	2.5	Cloudy with isol showers am. Cloudy pm			
THU	31	1015.8	10.3	6.8	8.6	4.3	9.5	9.4	360	13	9.5	23	NIL	10.7	High cloud early, became fine.			
MEAN		1015.9	9.6	5.0	7.3	2.0	8.3	8.9	NE	12.2	12.4	TOTAL	68.1	150.6				
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	THNDR	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN				
			13	11	0	5	1	1	0	10	4	0	4	5	TOTALS FOR YEAR TO DATE			
RECORDS FROM JANUARY 1947															RAINFALL	333.7 mm	SUNSHINE	270.7 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	RAIN DAYS	60	SUNLESS DAYS	22
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 AT GUERNSEY AIRPORT - APRIL 2016

DAY	DATE	BAROMETER	TEMPERATURE deg C						WIND				RAIN	SUN	WEATHER			
		mb	AIR			GRASS	SOIL		DIR'N	SPEED(knots)			mm	hrs				
		at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX						
FRI	1	1021.5	10.8	4.6	7.7	-2.2	9.4	9.4	210	09	8.4	19	NIL	8.0	Early groundfrost, high cloud from mid am. Good vis			
SAT	2	1013.0	11.9	6.9	9.4	5.4	9.9	9.5	140	12	9.8	19	0.1	11.2	Cloudy early and late but fair or fine through daylight hours.			
SUN	3	1004.7	12.8	7.4	10.1	5.5	10.3	9.6	120	10	9.8	20	0.9	0.8	Cldy with rain am, bec persistant until early eve. Occ shwrs.			
MON	4	1000.4	12.0	7.9	10.0	6.6	10.2	9.7	170	16	13.1	24	NIL	7.1	Cloudy becoming clearer with good sunny intervals			
TUE	5	1010.3	12.3	6.7	9.5	2.8	10.4	9.8	270	09	10.5	23	0.5	8.4	Cloudy mid am and early evening, otherwise fair or fine			
WED	6	1013.0	11.5	6.8	9.2	5.8	10.6	9.8	270	18	17.8	36	0.3	4.5	Cldy with rain/dzl/fog clrng mid-am. Fair pm,isol shwrs, hail eve			
THU	7	1014.2	10.7	5.7	8.2	3.5	10.3	9.9	290	15	15.6	30	TR	9.7	Fair becoming fine with occ showers am.			
FRI	8	1015.5	11.4	7.9	9.7	5.8	10.4	10.0	310	11	10.8	24	1.4	5.7	Cloudy few bright intervals, showery rain evening			
SAT	9	1004.3	9.1	5.6	7.4	3.8	10.7	10.0	220	10	12.7	28	0.3	7.4	Cloudy with early rain & fog, clrng to mainly fair with sct shwrs.			
SUN	10	1002.3	12.6	6.1	9.4	3.0	10.3	10.1	120	19	15.0	31	TR	0.7	Fine early & late, otherwise cldy with light shwr eve			
MON	11	1005.2	12.5	7.2	9.9	5.2	10.1	10.2	210	08	5.3	13	NIL	8.3	Cloudy soon becoiming fair or fine good sunny intervals			
TUE	12	1007.2	14.9	6.6	10.8	2.1	10.7	10.2	170	07	5.4	12	NIL	12.3	Fine sunny day. Dry air pm. Lightning eve.			
WED	13	1007.5	14.3	6.0	10.2	-0.1	11.2	10.3	130	05	4.5	17	TR	8.2	Fine, became mostly cloudy from late am			
THU	14	1010.0	11.1	7.7	9.4	4.7	11.4	10.3	140	09	9.2	27	6.5	1.9	Fine, became cloudy, rain heavy at times pm.			
FRI	15	1000.1	11.5	9.0	10.3	7.8	11.2	10.4	180	17	15.0	36	0.7	2.1	Mainly cldy with showers drizzly at times, some bright intervals			
SAT	16	1004.9	9.4	5.1	7.3	3.5	10.9	10.5	310	11	7.8	26	TR	11.1	Cloudy start with isol showers early, becoming fine sunny day.			
SUN	17	1016.6	9.4	3.8	6.6	-1.5	10.7	10.5	320	05	3.9	22	1.9	7.2	Fine am bec cldy with rain/hail showers & funnel cloud, fine pm			
MON	18	1024.8	10.6	4.8	7.7	-3.0	10.1	10.5	280	08	5.5	15	NIL	13.2	Hoar frost early, otherwise fine with excellent visibility.			
TUE	19	1027.9	12.5	5.4	9.0	-1.3	10.5	10.5	080	08	9.1	27	NIL	13.4	Ground frost then fine with very good visibility			
WED	20	1024.3	13.7	7.8	10.8	5.9	11.1	10.5	060	14	16.4	36	NIL	6.3	Mainly cloudy with persistent high cloud & some sunny intervals			
THU	21	1019.0	14.6	9.6	12.1	8.3	11.4	10.6	070	10	9.0	23	7.1	1.0	Cloudy with light rain from mid pm			
FRI	22	1018.5	11.6	8.7	10.2	10.3	11.8	10.6	170	06	6.1	16	0.4	0.0	Overcast, rain and fog (thick at times).			
SAT	23	1020.1	9.5	5.8	7.7	6.2	11.7	10.7	020	12	9.1	24	TR	10.4	Cloudy with a little lt rain drzl bec fair then fine for a time.			
SUN	24	1022.5	10.4	5.8	8.1	-0.9	11.2	10.8	320	12	9.4	24	0.2	9.6	Cloudy odd shower then fair. Good vis & dry air			
MON	25	1016.1	10.9	6.6	8.8	2.4	11.3	10.8	260	16	13.9	31	1.1	1.5	Cloudy with showers am, cloudy pm, fine eve			
TUE	26	1011.4	9.3	3.7	6.5	3.5	11.1	10.9	320	12	11.5	27	TR	10.2	Cloudy, became fine, isolated showers.			
WED	27	1014.7	9.9	3.6	6.8	-1.6	10.8	10.9	330	07	8.9	20	TR	10.8	Fair to fine, isol light showers late eve.			
THU	28	1017.3	11.1	4.2	7.7	-1.5	10.9	10.9	290	05	10.9	28	2.5	12.0	Fair / Fine with isolated showers am/pm.			
FRI	29	1014.3	9.1	6.2	7.7	4.0	11.2	10.9	290	11	10.1	32	2.7	1.5	Cldy with early showers then rain by noon clearing by late pm			
SAT	30	1022.9	11.3	5.9	8.6	1.8	10.9	10.9	020	11	9.4	21	NIL	13.9	Fine			
MEAN		1013.5	11.4	6.3	8.9	3.2	10.8	10.3	W	10.8	10.1	TOTAL	26.6	218.4				
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 ≥0.2mm	WET ≥1.0mm	SNOW/ SLEET	HAIL	THNDR	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE				
		14	7	0	5	0	2	0	8	3	1	0	1					
RECORDS FROM JANUARY 1947															RAINFALL	360.3 mm	SUNSHINE	489.1 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	74	SUNLESS DAYS	23	WET DAYS	52			
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									

DAY	DATE	BAROMETER	TEMPERATURE deg C					WIND				RAIN	SUN	WEATHER	
			AIR			GRASS	SOIL		DIR'N	SPEED(knots)					
			mb												
		at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX	mm	hrs	
SUN	1	1030.3	12.0	5.6	8.8	-1.1	11.1	10.9	200	08	7.2	16	0.1	7.8	Fair start with drizzle low cloud from late afternoon.
MON	2	1024.4	13.5	8.9	11.2	9.3	11.9	10.9	200	11	12.4	30	0.2	0.5	Cldy with rain, drzl & fog, clearing early PM to become fair.
TUE	3	1028.9	12.4	7.1	9.8	3.8	11.7	11.0	330	04	5.9	18	NIL	11.0	Fair or fine
WED	4	1027.1	15.9	4.2	10.1	-0.5	11.6	11.1	130	09	7.2	16	NIL	13.8	Fine.
THU	5	1018.8	17.9	8.2	13.1	4.9	12.3	11.2	110	09	8.0	17	NIL	14.0	Fine
FRI	6	1008.7	19.0	11.7	15.4	9.6	13.2	11.2	100	06	7.6	15	0.5	8.9	Fair day, high cloud persisting, cloudy late pm with showery rain
SAT	7	1004.6	20.1	13.1	16.6	11.9	13.9	11.4	120	10	8.5	21	0.2	5.5	Fair or fine late am, otherwise cldy, showers early am & late pm
SUN	8	1003.5	20.9	13.5	17.2	11.8	14.5	11.6	110	15	11.6	24	NIL	6.5	Isolated light showers a early, became fair for a time am.
MON	9	1004.2	19.7	13.4	16.6	13.6	14.7	12.0	100	10	10.8	21	3.9	2.0	Cloudy with rain from late am clearing to fine early evening.
TUE	10	1005.9	14.9	10.9	12.9	8.6	14.3	12.1	340	03	3.8	10	12.3	NIL	Cloudy then fog, with rain occ heavy. Fog lifting tempo pm.
WED	11	1003.6	16.4	10.9	13.7	10.6	14.3	12.3	300	01	2.3	07	TR	1.6	Cloudy and misty with fog patches throughout the day.
THU	12	1002.6	12.5	10.3	11.4	11.2	14.5	12.4	320	04	6.0	15	7.7	NIL	Cloudy with fog and rain early afternoon, heavy at times
FRI	13	1007.6	15.6	10.8	13.2	10.5	14.2	12.5	040	09	7.3	17	NIL	8.6	Fair with mist/haze becoming fine pm.
SAT	14	1019.3	12.7	6.9	9.8	9.1	14.6	12.6	040	09	7.5	20	NIL	8.8	Cloudy bec fair then fine and sunny
SUN	15	1025.5	13.5	5.6	9.6	1.7	14.3	12.7	220	09	7.7	17	NIL	14.3	Briefly cloudy around noon, otherwise fine
MON	16	1024.3	14.5	8.3	11.4	4.7	14.5	12.8	280	07	7.1	16	NIL	14.0	Shallow fog patches early, otherwise mainly fine.
TUE	17	1020.6	14.1	8.8	11.5	6.5	14.8	12.9	230	06	7.9	17	1.4	2.9	Cloudy day with fog/mist early am
WED	18	1005.5	13.4	9.6	11.5	9.9	14.8	13.0	240	18	15.0	33	2.5	9.0	Cldy with rain or shwrs am. Occ misty. Mainly fair pm, isol shwrs.
THU	19	1015.9	13.4	10.1	11.8	8.6	14.8	13.1	280	13	12.0	24	1.5	3.5	Mostly cldy with rain pm & drzl & fog later.
FRI	20	1018.9	15.1	11.2	13.2	11.4	14.6	13.2	240	12	9.9	21	0.3	3.1	Thick fog early, cloudy some fair periods pm, light drizzle later.
SAT	21	1010.6	14.0	11.4	12.7	11.3	15.1	13.2	170	09	8.9	19	8.3	NIL	Cldy with rain throughout day, fog early eve, rain clearing late.
SUN	22	1008.4	14.0	8.8	11.4	4.9	14.6	13.2	250	06	9.8	23	TR	7.6	Cloudy with showers and fog banks becoming fair mid afternoon
MON	23	1020.4	14.2	9.4	11.8	7.4	14.6	13.3	300	11	9.4	20	NIL	13.5	Fine, occn fair am
TUE	24	1019.8	15.7	7.1	11.4	4.1	14.9	13.4	050	09	9.8	28	NIL	14.6	Fine sunny day
WED	25	1016.1	13.2	8.9	11.1	7.5	15.3	13.4	070	13	12.5	25	TR	9.3	Fair becoming fine sunny day
THU	26	1014.5	18.7	9.3	14.0	8.1	15.5	13.5	060	09	8.4	21	10.5	7.8	Cldy tempo fine then shwrs mid pm. Fair late evening then fog.
FRI	27	1015.6	15.9	9.6	12.8	8.2	15.9	13.6	300	03	4.2	12	TR		

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	mm		hrs
WED	1	1021.7	14.9	11.6	13.3	12.7	15.9	14.3	020	10	9.3	21	TR	NIL	Overcast to cloudy with drizzle & mist at times
THU	2	1020.1	13.8	10.3	12.1	12.2	15.6	14.3	020	14	9.5	23	TR	0.8	Cloudy day with isolated rain am, Fair occ fine early eve.
FRI	3	1017.2	12.5	10.0	11.3	9.8	15.4	14.3	030	09	6.2	14	TR	1.4	Cloudy with a little dzl late am. Fair or sunny intervals early eve.
SAT	4	1018.1	14.0	7.9	11.0	3.1	15.3	14.3	060	03	2.6	09	NIL	1.0	Shallow fog early. Cloudy, bec fine mid eve
SUN	5	1020.5	18.7	8.9	13.8	4.8	15.1	14.3	320	02	3.1	09	NIL	11.2	Mainly sunny some cloudier spells, low cloud evening time misty
MON	6	1020.2	20.6	11.4	16.0	11.3	16.2	14.3	090	10	6.0	15	NIL	6.7	Fog am clearing mid-late am. Hazy sunshine pm
TUE	7	1024.5	18.1	11.7	14.9	12.6	17.0	14.4	340	03	5.5	13	NIL	5.5	Extensive mist and fog. Fair periods pm. Foggy evening.
WED	8	1025.0	18.6	12.2	15.4	11.1	17.3	14.6	340	05	4.6	10	NIL	13.3	Misty & hazy with occn coastal fog. High cloud from late pm
THU	9	1021.3	20.0	11.9	16.0	10.7	17.7	14.8	110	08	6.9	15	1.8	10.2	Fog & mist soon clearing to be fair, but high cloud persisting
FRI	10	1013.5	17.1	13.4	15.3	13.7	18.0	15.0	350	04	6.2	17	0.2	NIL	Cloudy, rain a.m.
SAT	11	1011.4	18.6	12.1	15.4	13.6	17.7	15.2	270	03	6.9	17	4.6	5.6	Cldy, occ misty. A little lt rain am. Fair prds pm, brief prd of fog.
SUN	12	1009.9	16.4	11.6	14.0	11.3	17.8	15.3	240	12	13.3	28	0.3	3.1	Cldy or overcast with fog & dzl, clearing pm, some sunny ints.
MON	13	1006.1	17.2	12.5	14.9	11.8	17.3	15.4	230	07	11.1	25	0.4	1.4	Cloudy occ rain or drizzle am & pm. Mist & fog pm
TUE	14	1001.5	16.1	11.9	14.0	11.8	17.2	15.4	230	15	14.0	28	0.1	6.1	Isolated shower early, otherwise fair to cloudy.
WED	15	998.9	16.4	11.5	14.0	10.8	16.9	15.4	220	14	11.5	21	TR	10.4	Isolated shwr early, otherwise fair with extensive high cloud.
THU	16	1002.0	17.8	12.7	15.3	12.1	17.1	15.5	280	08	10.1	22	NIL	10.8	Mist with fog patches around dawn, cloudy morning, fine pm
FRI	17	1008.3	16.5	11.9	14.2	9.7	17.6	15.5	310	09	10.3	22	NIL	6.4	Cloudy then fair with some sunny intervals pm
SAT	18	1021.1	17.1	11.9	14.5	9.7	17.4	15.6	300	14	11.1	23	TR	13.0	Mainly fair.
SUN	19	1026.7	16.3	11.3	13.8	9.4	17.3	15.6	260	10	9.7	26	11.7	0.3	Mainly cldy. Occ v. lt rain/ drzl & mist, persistent later with fog..
MON	20	1015.5	15.7	13.6	14.7	14.0	17.0	15.7	220	18	13.1	28	3.4	NIL	Fog. Rain/drizzle am. Drizzle from mid evening.
TUE	21	1019.0	18.1	13.8	16.0	14.4	16.8	15.7	190	05	5.6	12	0.2	5.1	Cldy with fog, mist, rain/dzl, clearing to sunny ints, cloud dzl eve.
WED	22	1019.4	21.3	14.6	18.0	15.4	17.9	15.6	190	09	6.9	15	11.3	0.8	Cldy, fog am, bright i/vals & hvy shwr pm. T/storm with hail late.
THU	23	1016.7	16.3	13.7	15.0	15.0	18.1	15.7	330	07	7.4	17	1.0	1.3	Thick fog & dzl early am, cloudy, outbreaks rain p.m, fine evening.
FRI	24	1021.4	17.6	12.1	14.9	9.4	17.4	15.9	230	11	11.0	23	NIL	11.1	Fine sunny day with good visibility
SAT	25	1020.4	17.2	13.0	15.1	12.0	17.7	15.9	270	13	11.9	23	NIL	12.7	Cloudy at first then fine sunny day
SUN	26	1022.3	16.8	12.7	14.8	10.9	17.9								

METEOROLOGICAL OBSERVATIONS AT GUERNSEY AIRPORT - JULY 2016

DAY	DATE	BAROMETER	TEMPERATURE deg C					WIND				RAIN	SUN	WEATHER				
		mb	AIR			GRASS	SOIL		DIR'N	SPEED(knots)			mm		hrs			
		at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX						
FRI	1	1012.9	16.6	12.4	14.5	13.6	16.7	16.0	280	11	13.9	27	0.4	2.2	Fog with rain and drizzle until 0838 UTC, then remained cloudy			
SAT	2	1018.2	17.1	11.5	14.3	9.8	16.5	16.0	270	15	14.1	25	6.8	12.5	Fine sunny day with isolated showers am.			
SUN	3	1017.5	17.8	11.9	14.9	12.0	16.9	15.9	230	11	8.9	19	0.2	2.8	Cloudy start with rain/drizzle and fog. Fair pm & sunny periods.			
MON	4	1021.4	16.6	11.5	14.1	8.4	17.0	15.9	200	08	8.1	19	0.8	0.5	Mainly cloudy, patchy drizzle and fog at times.			
TUE	5	1020.9	17.5	12.6	15.1	11.7	17.0	15.9	270	14	12.1	24	NIL	13.2	Foggy at first, cloud clearing early then fair.			
WED	6	1024.4	16.8	10.5	13.7	7.7	17.4	15.9	320	05	4.3	11	NIL	14.0	Fair with high cloud at times. Good vis, occn dry air pm			
THU	7	1021.7	20.7	10.5	15.6	6.2	17.6	16.0	230	01	2.3	09	NIL	9.3	Fair with high cloud. Fine sunny spells pm			
FRI	8	1018.8	19.1	11.9	15.5	10.4	18.2	16.1	250	16	11.6	27	0.1	7.1	Fair, adjacent fog patches pm.			
SAT	9	1021.6	21.0	14.5	17.8	13.5	18.4	16.3	180	12	10.8	22	0.4	8.3	Cloudy, drizzle and fog clearing. Fair with extensive high cloud.			
SUN	10	1011.6	18.8	15.1	17.0	14.7	19.0	16.4	200	13	14.1	29	2.1	4.0	Cldy, rain/drizle & fog mid am, clrng early pm, fair with high cloud			
MON	11	1012.4	18.2	14.4	16.3	13.8	18.2	16.5	240	18	15.8	27	0.4	2.2	Showers early am, rain/drizzle, clring mid am, showers late eve.			
TUE	12	1015.5	17.3	12.2	14.8	10.8	17.8	16.6	270	13	11.0	22	TR	8.5	Fair periods.			
WED	13	1020.7	17.5	11.9	14.7	9.5	17.8	16.6	310	10	11.6	26	NIL	13.1	Fair, briefly cldy am. Very good visibility.			
THU	14	1026.1	17.6	12.4	15.0	10.0	17.7	16.6	320	11	8.6	18	NIL	13.2	Fair or fine with good vis. High cloud evening.			
FRI	15	1029.5	18.2	12.5	15.4	9.6	18.2	16.6	260	07	7.5	16	NIL	8.1	Fair/Fine good visibility.Cloudy by eve			
SAT	16	1028.4	20.7	14.2	17.5	12.5	18.6	16.6	220	06	5.5	13	NIL	12.7	Fog patches early, otherwise mainly fine.			
SUN	17	1025.1	24.5	14.1	19.3	10.8	19.2	16.7	180	04	3.7	11	NIL	15.0	Shallow fog early then fine. Excellent visibility later.			
MON	18	1021.6	25.7	15.8	20.8	13.4	19.9	16.9	080	10	9.2	24	NIL	14.9	Fine & sunny with xlint vis and occn dry air			
TUE	19	1014.8	32.6	20.3	26.5	17.6	20.6	17.1	130	12	10.4	19	NIL	14.2	Fine sunny with high temp. good vis and dry air.			
WED	20	1012.3	27.8	15.6	21.7	15.8	20.9	17.3	250	14	14.0	26	NIL	5.4	Cloudy & misty, cloud clring early pm, good sunny ints & warm.			
THU	21	1018.7	20.7	13.3	17.0	8.8	20.0	17.6	290	04	3.5	12	TR	3.6	Cloudy, extensive med/high cloud, slight rain for a time early eve.			
FRI	22	1019.4	21.8	13.2	17.5	9.3	19.7	17.7	030	01	3.2	10	NIL	11.9	High cloud am, became fine pm. Good vis & occn dry air			
SAT	23	1022.7	20.6	14.5	17.5	11.8	21.0	17.7	270	10	7.8	16	NIL	11.0	Cloudy becoming fine & sunny pm			
SUN	24	1021.7	19.7	15.1	17.4	13.6	20.1	17.7	230	09	9.5	18	TR	1.2	Overcast with fog am & again pm. Some sunny intervals aft.			
MON	25	1022.3	20.0	14.1	17.1	12.0	19.8	17.8	270	08	8.5	18	NIL	9.7	Fair intervals and cloudy spells.			
TUE	26	1024.3	18.8	14.7	16.7	12.5	19.4	17.8	250	08	7.7	17	TR	0.8	Cloudy with light shower midday			
WED	27	1019.0	18.2	15.5	16.9	14.9	19.0	17.8	240	16	12.6	22	TR	NIL	Cloudy or overcast with fog, drizzle clearing late afternoon			
THU	28	1018.4	18.0	14.2	16.1	11.4	18.9	17.7	230	12	11.0	25	0.6	0.3	Cloudy, mist/fog with patchy drizzle pm.			
FRI	29	1014.6	18.9	14.7	16.8	14.5	18.4	17.7	260	13	11.6	21	TR	1.0	Occ misty with fog banks am. Occ lt rain / drizzle especially am.			
SAT	30	1015.2	19.6	14.3	17.0	14.6	18.5	17.6	230	09	8.1	16	NIL	2.0	Light rain early, then cloudy until bec fair evening			
SUN	31	1019.1	19.7	13.9	16.8	8.7	18.4	17.5	340	08	7.3	18	NIL	14.0	Shallow fog in the early hours otherwise fine.			
MEAN		1019.7	19.9	13.7	16.8	11.7	18.6	16.9	W	10.0	9.3	TOTAL	11.8	236.7				
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 ≥0.2mm	WET ≥1.0mm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE				
		8	2	0	0	0	0	0	0	0	13	3	0			1		
RECORDS FROM JANUARY 1947															RAINFALL	471.1 mm	SUNSHINE	1111.7 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	109	SUNLESS DAYS	31	WET DAYS	72			
WETTEST MNTH YEAR	120.2mm 1960	HIGHEST MAX DAY/YEAR	32.6°C 19th/2016	LOWEST GRASS DAY/YEAR	1.0°C 7th/1996	COLDEST MNTH YEAR	13.8°C 1954	DULLEST MNTH YEAR	167.7hrs 1972									

METEOROLOGICAL OBSERVATIONS AT GUERNSEY AIRPORT - AUGUST 2016

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	mm		hrs			
MON	1	1021.7	17.3	12.7	15.0	6.6	18.7	17.5	210	07	9.0	29	16.9	0.0	Cloudy with rain heavy at times drizzle, mist and fog			
TUE	2	1014.6	17.0	15.8	16.4	14.9	18.2	17.5	230	20	18.5	31	33.3	0.0	Rain, drizzle, fog or mist. Rain or drizzle persistent through day.			
WED	3	1012.2	19.2	15.6	17.4	16.6	17.9	17.4	240	13	15.2	29	1.6	7.0	Rain/driz & fog, heavy at times. Clearing by late am to fair/fine pm			
THU	4	1013.3	18.7	14.9	16.8	14.0	18.0	17.3	250	09	12.1	23	NIL	5.8	Cloudy, moderate shower at 0812, became fine pm.			
FRI	5	1023.1	19.0	13.7	16.4	11.6	17.8	17.3	280	12	10.6	21	NIL	9.7	Fair day with good sunny intervals. High cloud most of day.			
SAT	6	1029.4	20.3	14.5	17.4	12.2	18.3	17.3	260	05	6.4	14	TR	13.2	Shallow fog at first then fine. Coastal fog. Fog late eve.			
SUN	7	1028.6	20.0	15.3	17.7	13.8	18.9	17.3	240	13	12.1	22	0.3	1.2	Bec cldy by dawn, fog/drizzle am, clrng mid pm. Fine eve.			
MON	8	1025.8	18.5	14.5	16.5	13.4	18.5	17.4	290	12	11.0	22	NIL	11.6	Some high cloud at times otherwise fine.			
TUE	9	1028.5	17.7	13.1	15.4	10.1	18.4	17.4	350	07	8.0	21	NIL	13.0	Fine bec fair towards evening.			
WED	10	1028.2	17.5	13.1	15.3	10.6	18.1	17.4	320	11	8.8	19	TR	8.4	Fair, occn fine with sunny periods.			
THU	11	1026.5	18.5	14.1	16.3	12.2	18.3	17.4	270	12	12.7	24	NIL	12.4	Fair with high cloud through the day			
FRI	12	1027.5	18.6	14.4	16.5	12.1	18.3	17.4	280	10	9.7	19	NIL	11.3	Fair			
SAT	13	1025.8	19.6	13.3	16.5	8.8	18.5	17.4	280	06	5.8	13	NIL	11.2	Cloudy am, clearing early afternoon to fine with some high cloud			
SUN	14	1025.1	20.5	13.5	17.0	9.7	18.9	17.5	020	06	6.7	16	NIL	12.9	Fair with high cloud becoming fine sunny day			
MON	15	1022.2	21.0	14.7	17.9	12.4	18.9	17.5	070	14	10.3	20	NIL	13.2	Fine			
TUE	16	1017.9	22.2	15.1	18.7	13.1	19.2	17.6	080	09	8.8	18	NIL	13.6	Fine			
WED	17	1012.1	22.9	15.0	19.0	12.0	19.6	17.6	080	07	5.1	19	3.9	6.1	Fine becoming fair early pm with isolated showers pm			
THU	18	1010.8	21.2	16.4	18.8	15.3	19.9	17.8	260	02	3.5	11	2.8	0.8	Overcast with fog rain or drizzle few bright spells pm			
FRI	19	1005.9	19.9	14.5	17.2	13.6	19.4	17.8	140	13	13.1	29	5.1	5.9	Overcast am with rain, heavy at times. Clearing early afternoon			
SAT	20	1010.2	19.0	13.9	16.5	14.1	18.5	17.8	230	22	20.9	37	0.4	10.6	Fine, became cloudy by evening with isolated showers			
SUN	21	1021.3	19.4	14.0	16.7	12.8	18.1	17.8	270	18	16.3	33	0.1	3.9	Fair at first, bec cloudy with rain during pm, clearing eve			
MON	22	1026.0	21.9	15.8	18.9	14.6	18.1	17.7	210	10	7.8	18	NIL	13.0	Cloudy early am soon clearing to fine and sunny			
TUE	23	1021.3	27.8	15.5	21.7	14.0	19.0	17.6	130	13	8.3	19	NIL	12.5	Fine with good vis and occn dry air pm			
WED	24	1019.3	22.5	15.9	19.2	14.6	19.6	17.7	330	07	6.0	17	0.8	6.8	Fine am, bec cloudy pm with isolated thundery showers			
THU	25	1015.9	23.3	16.1	19.7	13.4	19.4	17.7	320	02	4.0	11	TR	5.4	Cloudy odd shower, fine intervals afternoon, showers eve time			
FRI	26	1019.5	20.6	15.3	18.0	13.8	19.6	17.8	340	07	6.6	16	NIL	11.2	Cloudy & misty early, bec fair by noon, fine by eve good vis			
SAT	27	1015.0	23.6	15.0	19.3	13.0	19.4	17.9	120	06	8.7	29	0.6	9.0	Cloudy am bec fine occn fair pm. Thunderstorm @ 0838			
SUN	28	1015.3	19.2	15.7	17.5	14.9	19.7	18.0	230	17	14.3	29	TR	1.3	Mainly cloudy, isolated showers.			
MON	29	1023.4	19.5	15.1	17.3	13.5	18.9	18.0	320	08	7.6	22	NIL	10.3	Fine sunny day.			
TUE	30	1026.0	21.2	12.8	17.0	7.8	18.8	18.0	160	07	4.0	13	NIL	12.1	Mist, fog and shallow fog early hours slowly lifting am, then fine.			
WED	31	1022.6	20.7	13.6	17.2	8.2	18.8	18.0	260	07	6.2	16	NIL	10.6	Fog /shallow fog early, otherwise fine, became cloudy in eve.			
MEAN		1020.5	20.3	14.6	17.4	12.5	18.8	17.6	W	10.1	9.6	TOTAL	65.8	264.0				
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 ≥0.2mm	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	0	0	2	2	0	0	9	2	0	2					
RECORDS FROM JANUARY 1947															RAINFALL	536.9 mm	SUNSHINE	1375.7 hrs
WETTEST DAY DAY/YEAR	55.8mm 22nd/1973	DRIEST MONTH YEAR	3.8mm 1955	LOWEST MIN DAY/YEAR	9.2°C 28th/1986	WARMEST MNTH YEAR	19.3°C 2003	SUNNIEST MNTH YEAR	323.0hrs 1955	RAIN DAYS	119	SUNLESS DAYS	33	WET DAYS	78			
WETTEST MNTH YEAR	122.0mm 1951	HIGHEST MAX DAY/YEAR	34.3 9th/2003	LOWEST GRASS DAY/YEAR	0.8°C 11th/1981	COLDEST MNTH YEAR	14.3°C 1956	DULLEST MNTH YEAR	139.2hrs 1992									

METEOROLOGICAL OBSERVATIONS AT GUERNSEY AIRPORT - SEPTEMBER 2016

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	1026.1	19.3	13.5	16.4	8.1	18.8	18.0	270	05	4.9	13	NIL	10.8	Fair or fine with high cloud pm			
FRI	2	1021.7	18.0	13.1	15.6	7.5	18.4	17.9	230	11	9.2	22	5.6	0.1	Cldy, light rain late am. Rain, occ hvy, dzl & fog pm. Clearing eve			
SAT	3	1019.6	21.4	13.8	17.6	10.0	17.9	17.9	200	12	10.9	30	3.2	7.1	Fair. Cloud thickening with rain, occ hvy. T/storm & fog later.			
SUN	4	1016.6	18.1	15.8	17.0	15.8	18.5	17.8	260	14	11.8	29	5.4	0.2	Early fog/dzl, clrng dawn. Cloudy, occ lt rain, persistent late eve.			
MON	5	1019.9	20.5	15.7	18.1	15.6	18.5	17.7	260	15	10.3	24	TR	1.0	Rain/drizzle and fog until 0830, then mainly cloudy			
TUE	6	1025.0	22.6	17.5	20.1	17.4	19.1	17.7	160	04	4.9	16	NIL	6.8	Fair becoming fine sunny day.			
WED	7	1017.0	26.0	16.8	21.4	15.0	19.5	17.7	100	10	7.9	18	TR	11.2	Rather misty / hazy early am but otherwise fair or fine			
THU	8	1014.7	21.0	15.8	18.4	14.0	19.6	17.8	260	17	14.5	30	TR	11.6	Early am cldy with light rain & fog, soon clearing to fair then fine.			
FRI	9	1016.7	21.8	16.1	19.0	13.9	19.2	17.9	180	11	10.1	22	TR	6.2	Cloudy a little lt rain, bec fine for a time, cloudy by mid pm.			
SAT	10	1013.7	19.0	14.3	16.7	15.8	19.3	18.0	170	13	10.3	21	5.6	0.4	Cldy day, rain from late morning. Clearing eve bec fine.			
SUN	11	1018.8	18.6	11.8	15.2	6.3	17.9	17.9	130	05	5.1	17	0.1	11.3	Fair or fine with a few cloudier spells later.			
MON	12	1012.8	22.6	16.4	19.5	11.6	18.5	17.8	150	10	9.1	19	TR	3.3	Early light shower, otherwise extensive medium & high cloud.			
TUE	13	1008.4	23.7	17.0	20.4	14.1	18.7	17.8	330	07	7.8	29	2.9	4.5	Fair ints, shwrs with thunder, lightning throughout day.			
WED	14	1009.2	21.2	15.9	18.6	13.6	18.7	17.8	150	12	9.1	19	2.2	7.4	Thunderstorms overnight with hvy rain, clearing am to sunny ints			
THU	15	1010.2	20.0	16.4	18.2	16.4	18.9	17.8	010	04	5.7	15	11.5	2.5	Cloudy. Rain from early am clearing mid am. Patchy rain early eve.			
FRI	16	1015.5	17.2	14.4	15.8	15.0	18.6	17.7	310	16	14.2	29	NIL	4.4	Hvy rain early am with lightning. High cloud through day, occ fair			
SAT	17	1023.4	17.4	14.1	15.8	12.3	17.4	17.8	320	10	9.2	20	NIL	7.9	Good sunny intervals becoming cloudy evening time			
SUN	18	1022.4	18.1	13.7	15.9	11.9	17.4	17.7	350	05	6.3	13	NIL	4.0	Fair with occ sunny periods			
MON	19	1023.0	18.0	13.5	15.8	11.0	17.3	17.6	310	05	3.9	10	TR	0.8	Mainly cldy, patchy lt rain early evening. Funnel clouds pm			
TUE	20	1020.4	17.3	12.6	15.0	7.8	17.0	17.5	020	01	3.4	10	TR	0.1	Early shallow fog then mostly cldy with lt rain shower mid pm.			
WED	21	1017.5	18.7	13.0	15.9	10.0	16.8	17.4	170	09	4.8	17	NIL	5.6	Mainly cloudy with some sunny periods for a time late am			
THU	22	1020.4	19.0	12.1	15.6	7.6	16.8	17.3	220	08	5.5	15	NIL	7.5	Fair with sunny periods pm			
FRI	23	1026.5	18.1	11.4	14.8	6.5	17.0	17.2	000	00	4.0	14	NIL	6.5	Fair periods and cloudy spells. Very good visibility.			
SAT	24	1018.3	21.2	15.1	18.2	12.6	17.0	17.1	170	14	11.7	25	6.7	6.9	Fair with extensive high cloud throughout.			
SUN	25	1016.9	17.9	13.3	15.6	12.9	17.3	17.1	260	14	13.7	28	NIL	9.4	Heavy rain and dzl early, clearing by dawn to fair then fine pm			
MON	26	1022.4	19.2	13.6	16.4	11.2	16.7	17.0	190	10	9.4	20	0.4	1.6	Cloudy day with short sunny intervals and isolated rain pm.			
TUE	27	1022.5	18.1	14.1	16.1	14.6	17.0	17.0	220	10	10.3	24	0.3	0.1	Cloudy with occ drzl. Misty at times with fog patches.			
WED	28	1028.7	17.5	13.2	15.4	11.6	16.7	16.9	240	11	11.1	22	TR	8.4	Fair to fine day.			
THU	29	1019.1	16.6	14.0	15.3	12.8	16.7	16.8	240	18	13.3	28	0.9	1.8	Cloudy, rain/drizzle am, a few bright intervals pm.			
FRI	30	1015.6	17.2	11.3	14.3	11.3	16.3	16.8	250	11	7.5	18	3.3	6.7	Mainly cldy, shwr early am & early eve, some sunny periods			
MEAN		1018.8	19.5	14.3	16.9	12.1	17.9	17.5	S	9.7	8.7	TOTAL	48.1	156.1				
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 ≥0.2mm	WET ≥1.0mm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE				
		12	9	0	0	3	4	0	0	7	0	0	0					
RECORDS FROM JANUARY 1947															RAINFALL	585.0 mm	SUNSHINE	1531.8 hrs
WETTEST DAY DAY/YEAR		43.7mm 20th/1949	DRIEST MONTH YEAR		6.9mm 1997	LOWEST MIN DAY/YEAR		5.8°C 28th/1974	WARMEST MNTH YEAR		17.5°C 1949	SUNNIEST MNTH YEAR		266.5hrs 1959	RAIN DAYS	131	SUNLESS DAYS	33
WETTEST MNTH YEAR		194.5mm 1952	HIGHEST MAX DAY/YEAR		30.6°C 2nd/1961	LOWEST GRASS DAY/YEAR		-1.0°C 23rd/1979	COLDEST MNTH YEAR		12.8°C 1986	DULLEST MNTH YEAR		104.5hrs 1956	WET DAYS	87		

METEOROLOGICAL OBSERVATIONS AT GUERNSEY AIRPORT - OCTOBER 2016

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	mm		hrs			
SAT	1	1007.2	16.1	10.8	13.5	6.6	15.8	16.7	230	15	15.9	33	3.7	7.3	Fair/Fine with occ showers sometimes heavy			
SUN	2	1017.6	16.4	10.9	13.7	8.2	15.3	16.6	020	05	4.5	27	NIL	7.1	Occn shwrs early otherwise fair/fine. Extensive high cloud later.			
MON	3	1026.9	17.4	9.2	13.3	5.5	14.9	16.5	120	09	10.0	25	NIL	10.1	Fine, high cloud at times.			
TUE	4	1026.1	17.7	13.0	15.4	11.1	15.1	16.3	110	14	14.7	27	NIL	3.4	Fair with extensive high cloud			
WED	5	1024.5	16.6	12.1	14.4	10.3	15.0	16.2	090	15	14.3	31	NIL	9.6	Fine with sunny periods			
THU	6	1022.6	14.7	10.3	12.5	8.1	14.6	16.1	070	18	15.3	29	NIL	9.8	Fair or fine with sunny periods. Excellent vis and low humidity.			
FRI	7	1020.2	14.3	8.3	11.3	5.7	14.1	16.0	090	08	7.8	22	0.5	0.5	fine in early hours became cloudy, isol showers pm.			
SAT	8	1025.1	16.1	11.4	13.8	8.8	14.2	15.8	030	01	3.6	12	3.5	0.8	Showers am then cloudy pm and isol shower in the evening.			
SUN	9	1028.0	14.4	10.5	12.5	9.0	14.4	15.6	050	08	6.1	19	4.6	5.3	Cloudy with isol shower am, fine afternoon/eve			
MON	10	1026.4	14.6	10.1	12.4	5.1	14.0	15.5	040	06	5.0	16	0.3	2.8	Cloudy with shwrs am, bec fair with isol shwrs pm			
TUE	11	1021.5	14.6	9.7	12.2	6.9	13.9	15.4	110	07	10.2	22	NIL	4.8	Isolated light showers early, otherwise fair to cloudy.			
WED	12	1018.7	14.9	9.4	12.2	6.8	13.3	15.3	090	12	12.8	27	TR	9.6	Fine with cloud developing late afternoon			
THU	13	1009.9	14.7	9.8	12.3	7.5	13.4	15.1	090	12	9.5	22	NIL	7.2	Fair/ Fine with isol shower early.			
FRI	14	1004.5	14.1	8.0	11.1	2.3	13.1	15.0	090	07	4.7	16	2.2	4.0	Cloudy, occn fair			
SAT	15	1006.1	15.6	10.1	12.9	5.0	13.3	14.9	190	09	11.8	26	16.1	5.0	Showers early, then fine, rain in the early pm cleared by late pm			
SUN	16	1010.5	17.2	12.0	14.6	10.1	13.5	14.8	210	13	13.1	29	0.5	8.8	V. heavy rain early am clrng to fair/fine, occn shwrs early eve			
MON	17	1020.0	16.8	12.7	14.8	10.2	13.8	14.7	240	13	11.8	21	0.9	8.1	Fair/Fine with sunny periods			
TUE	18	1023.7	14.1	11.4	12.8	9.8	13.8	14.7	270	14	13.0	29	TR	3.8	Cloudy with showers am, occn heavy, bec fair pm			
WED	19	1025.3	13.9	10.7	12.3	7.6	13.3	14.7	310	09	6.8	19	TR	0.5	Mainly cloudy, isolated showers late evening.			
THU	20	1022.7	14.3	9.6	12.0	3.6	12.9	14.6	360	06	5.0	15	NIL	5.4	Cloudy with some fair periods am, excellent visibility			
FRI	21	1021.3	13.7	8.1	10.9	3.9	12.8	14.5	020	06	4.8	15	NIL	8.5	Fine with sunny periods			
SAT	22	1015.5	14.8	7.3	11.1	2.6	12.3	14.4	080	09	8.3	20	NIL	5.4	Some cloudier spells otherwise fair or fine			
SUN	23	1006.5	13.1	9.5	11.3	7.6	12.3	14.2	080	19	16.8	36	11.0	2.9	Fine, became cloudy by late morning, rain pm, heavy at times.			
MON	24	1009.6	15.3	10.5	12.9	9.2	12.4	14.1	160	11	5.9	15	3.9	1.9	Mist am, rain clrng then cldy with shwrs pm. Lightning late eve			
TUE	25	1021.8	17.0	10.4	13.7	5.1	12.5	14.0	000	00	2.2	13	0.2	5.3	Shwrs with ltng bec fair with shallow fog am and eve, fog later.			
WED	26	1029.6	15.2	9.3	12.3	5.5	12.7	13.9	200	04	3.7	11	NIL	3.1	Early fog, clearing to cloudy. Occn fair or fine pm			
THU	27	1034.6	14.7	10.9	12.8	6.8	12.9	13.9	270	03	4.2	10	NIL	0.5	Some fair intervals, otherwise cloudy.			
FRI	28	1036.5	13.4	10.0	11.7	6.0	13.0	13.9	000	00	2.1	09	NIL	NIL	Cloudy			
SAT	29	1035.0	13.2	11.2	12.2	10.6	13.1	13.9	100	06	7.5	19	NIL	NIL	Cloudy. Excellent visibility am but hazy / misty by late evening.			
SUN	30	1028.0	16.0	10.5	13.3	7.4	13.1	13.9	090	11	10.8	20	NIL	9.4	Early mist & cloud, becmg fair then fine pm			
MON	31	1024.6	18.0	10.4	14.2	6.9	12.9	13.9	100	07	8.1	17	NIL	8.9	Fine, high cloud at times.			
MEAN		1021.0	15.3	10.3	12.8	7.1	13.6	15.0	E	8.9	8.7	TOTAL	47.4	159.8				
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 ≥0.2mm	WET ≥1.0mm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE				
		12	7	0	0	0	3	0	0	2	0	0	2					
RECORDS FROM JANUARY 1947															RAINFALL	632.4 mm	SUNSHINE	1691.6 hrs
WETTEST DAY DAY/YEAR		59.1mm 12th/2014	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	143	SUNLESS DAYS	35
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	94		

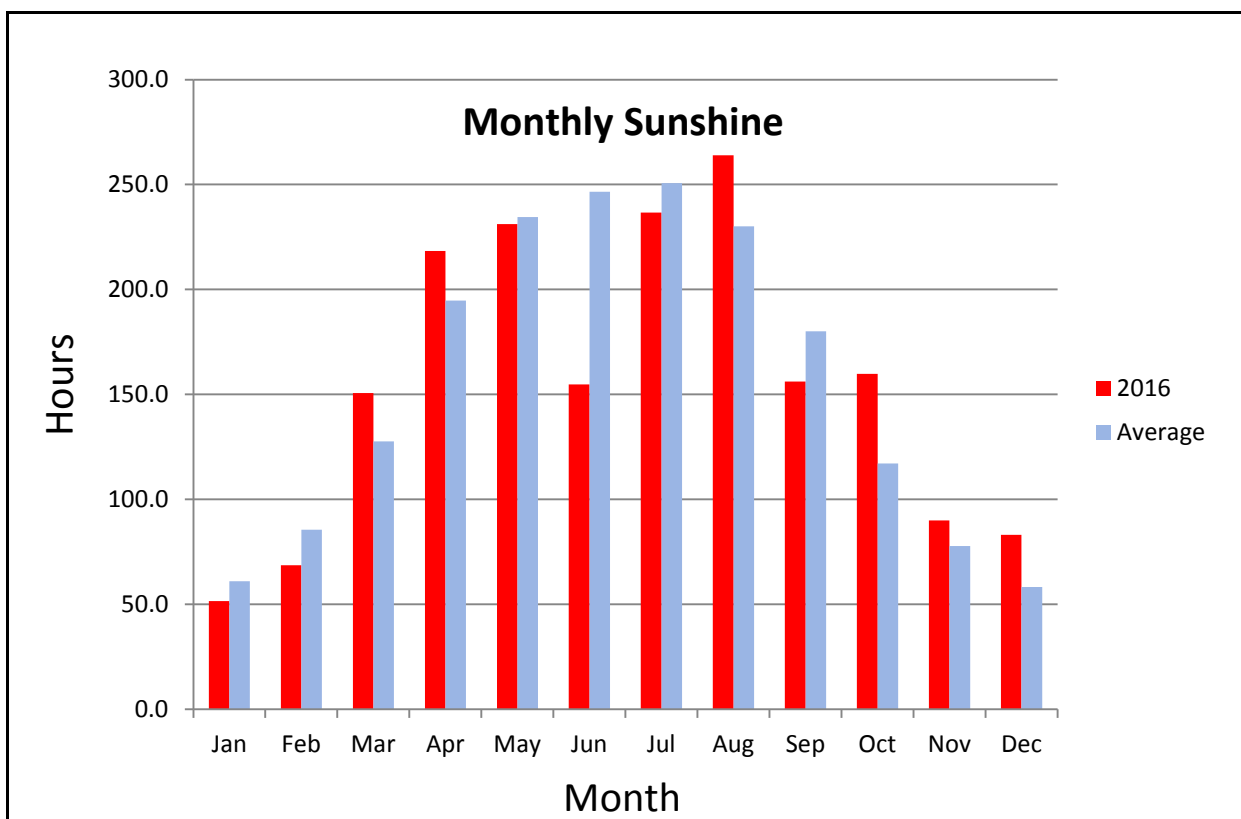
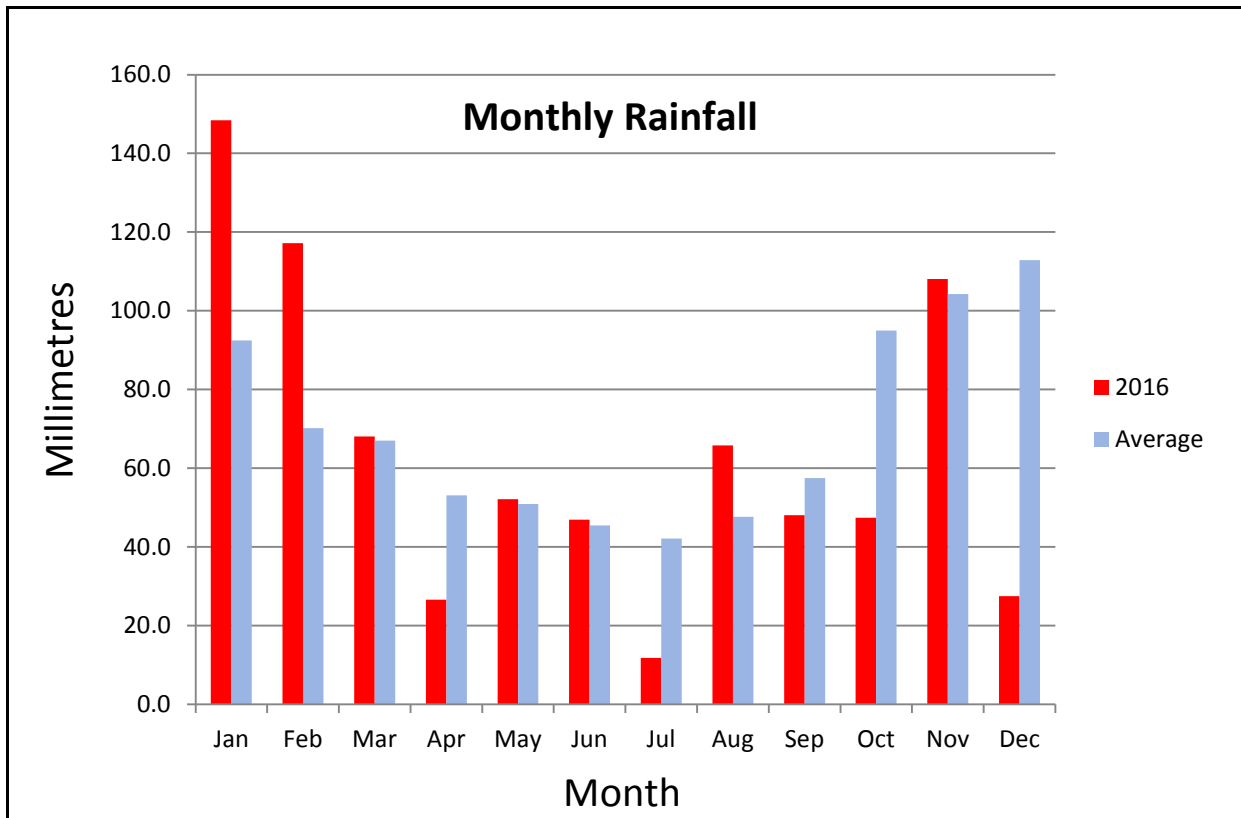
METEOROLOGICAL OBSERVATIONS AT GUERNSEY AIRPORT - NOVEMBER 2016

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	mm		hrs			
TUE	1	1023.0	17.1	11.2	14.2	5.8	12.9	13.9	110	01	4.4	14	TR	6.8	Shallow fog am , bec fine with high cld then cldy late pm			
WED	2	1025.7	12.8	8.0	10.4	9.7	13.2	13.9	030	10	5.3	18	NIL	6.9	Cloudy start with occ drizzle becoming fine from mid morning.			
THU	3	1022.9	11.2	5.8	8.5	0.8	12.0	13.8	140	09	6.8	20	11.0	4.8	Fair becoming cloudy pm with rain during the evening			
FRI	4	1011.7	12.4	8.5	10.5	5.6	12.0	13.8	190	13	8.4	24	8.8	NIL	Cldy with rain, occn hvy, slowly clearing pm, Fair late eve			
SAT	5	1006.8	10.2	6.3	8.3	3.9	11.5	13.6	330	06	8.5	23	1.0	3.8	Fair with isolated showers			
SUN	6	1009.3	9.3	4.4	6.9	1.4	10.8	13.5	360	07	8.6	29	1.2	5.1	Cloudy with scattered showers			
MON	7	1013.4	9.5	6.5	8.0	1.4	10.4	13.3	360	14	12.1	28	0.2	5.0	Cloudy with occ showers am and evening			
TUE	8	1014.1	9.7	6.8	8.3	2.9	10.1	13.1	---	00	8.3	29	12.9	0.1	Cloudy. A few shwrs am then general rain early eve, hvy later.			
WED	9	1004.5	11.8	8.9	10.4	7.0	10.5	12.8	300	25	21.3	45	1.9	3.2	Rain and drizzle early, cleared to fair and scattered showers			
THU	10	1010.7	12.9	9.6	11.3	8.0	10.6	12.8	290	12	14.3	30	0.6	0.8	Scattered showers, clearing in the evening			
FRI	11	1022.4	11.9	9.2	10.6	5.1	10.5	12.6	340	03	6.4	22	6.4	2.5	Cloudy am with isol shwrs early, Fair pm, eve with high cloud.			
SAT	12	1014.0	13.9	10.6	12.3	5.5	10.8	12.5	160	12	12.3	30	2.6	NIL	Cldy with rain, dzl, mist & fog at times clearing eve but cloudy.			
SUN	13	1027.4	12.7	9.9	11.3	7.8	11.3	12.5	010	08	6.9	18	NIL	7.3	Fair			
MON	14	1033.4	13.6	8.8	11.2	3.7	11.0	12.5	270	08	8.3	23	2.0	1.9	Cloudy			
TUE	15	1030.7	13.8	12.4	13.1	11.2	11.6	12.5	270	14	14.4	25	3.2	NIL	Low cloud with fog and drizzle throughout the day.			
WED	16	1021.5	14.4	11.4	12.9	11.6	12.0	12.5	250	19	17.8	31	3.2	1.9	Cldy, dzl, mist & hill fog am, clrng mid am to cldy pm. Shwrs later			
THU	17	1008.2	12.9	8.9	10.9	7.9	12.2	12.5	230	22	20.8	45	10.2	0.2	Shwrs occ hvy temp merging to rain, mist & fog patches late am			
FRI	18	998.3	9.6	4.8	7.2	4.1	11.1	12.6	260	22	19.8	46	15.4	2.1	Showers rain/hail throughout day .TS early evening			
SAT	19	1006.5	9.5	5.6	7.6	0.2	9.9	12.5	230	08	17.9	49	10.8	1.9	Occ shwr am. Rain mid pm occ heavy. Gales later			
SUN	20	991.4	12.0	8.8	10.4	7.0	10.1	12.3	270	17	18.4	73	7.7	3.0	Cldy, rain & sev. gale, clrng, rain again early pm, occn heavy eve			
MON	21	983.5	12.3	9.2	10.8	8.2	10.6	12.2	160	16	19.2	45	4.8	1.9	Outbreaks at rain, hvy at times am. Showers in afternoon			
TUE	22	1001.8	10.7	7.2	9.0	6.4	10.4	12.1	250	17	16.2	46	1.6	3.4	Scattered showers, squally at first, dying out for a while pm.			
WED	23	1014.6	11.7	6.8	9.3	-0.9	9.8	12.0	030	06	9.8	36	2.4	0.2	Cloudy with good vis. Cloudy by late pm. Rain and drizzle eve			
THU	24	1015.9	12.3	11.0	11.7	9.4	10.5	11.9	050	21	20.6	40	TR	NIL	Occ rain early hrs. Cldy, windy day, intermittent rain early eve.			
FRI	25	1016.3	12.0	8.6	10.3	8.3	10.7	11.9	040	19	18.3	38	TR	2.7	Cloudy			
SAT	26	1018.3	10.1	9.0	9.6	7.5	10.5	11.9	090	07	7.9	18	TR	NIL	Cloudy, a little patchy light drizzle p.m.			
SUN	27	1021.4	11.1	8.3	9.7	5.8	10.3	11.9	070	11	12.5	26	0.2	2.2	Fair bec mainly cldy around dawn. Intermittent lt rain/drzl pm.			
MON	28	1024.9	9.7	6.1	7.9	5.1	10.2	11.8	070	18	16.5	35	NIL	6.8	Cloudy start clearing to fine sunny day. Dry air.			
TUE	29	1030.4	7.5	3.5	5.5	0.5	9.0	11.8	060	12	12.1	25	NIL	7.8	Fine with good vis. Early dry air			
WED	30	1035.0	8.7	-0.1	4.3	-4.6	8.0	11.6	050	04	5.5	13	NIL	7.7	Frosty at first but fine			
MEAN		1015.3	11.6	7.9	9.7	5.2	10.8	12.6	W	12.0	12.7	TOTAL	108.1	90.0				
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 ≥0.2mm	WET ≥1.0mm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE				
		21	18	0	4	1	1	1	2	4	3	3	5					
RECORDS FROM JANUARY 1947															RAINFALL	108.1 mm	SUNSHINE	1781.6 hrs
WETTEST DAY	39.4mm	DRIEST MONTH		16.1mm	LOWEST MIN		-0.8°C	WARMEST MNTH		12.2°C	SUNNIEST MNTH		123.6hrs	RAIN DAYS	164	SUNLESS DAYS	40	
DAY/YEAR	15th/1975	YEAR		1978	DAY/YEAR		28th/2010	YEAR		2015	YEAR		2006	WET DAYS	112			
WETTEST MNTH	234.7mm	HIGHEST MAX		18.0°C	LOWEST GRASS		-5.6°C	COLDEST MNTH		7.7°C	DULLEST MNTH		35.9hrs					
YEAR	2009	DAY/YEAR		1st 2015	DAY/YEAR		29th/1987	YEAR		1993	YEAR		1994					

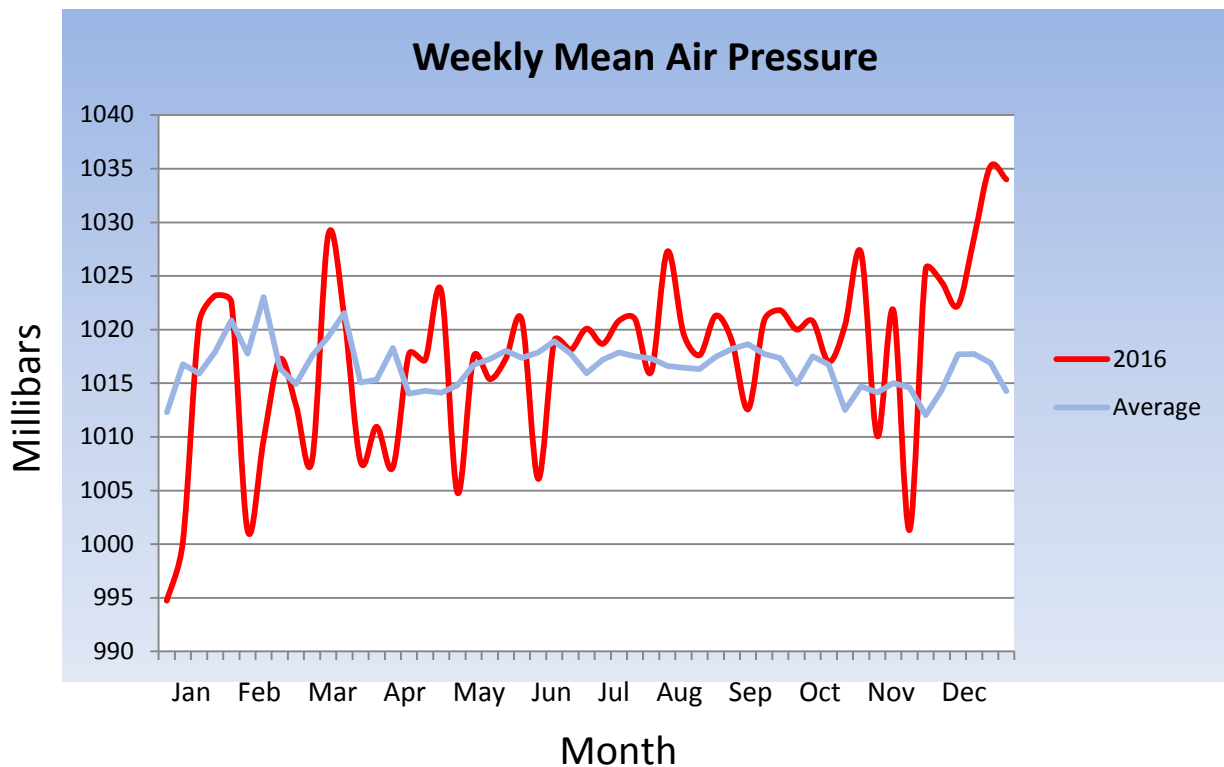
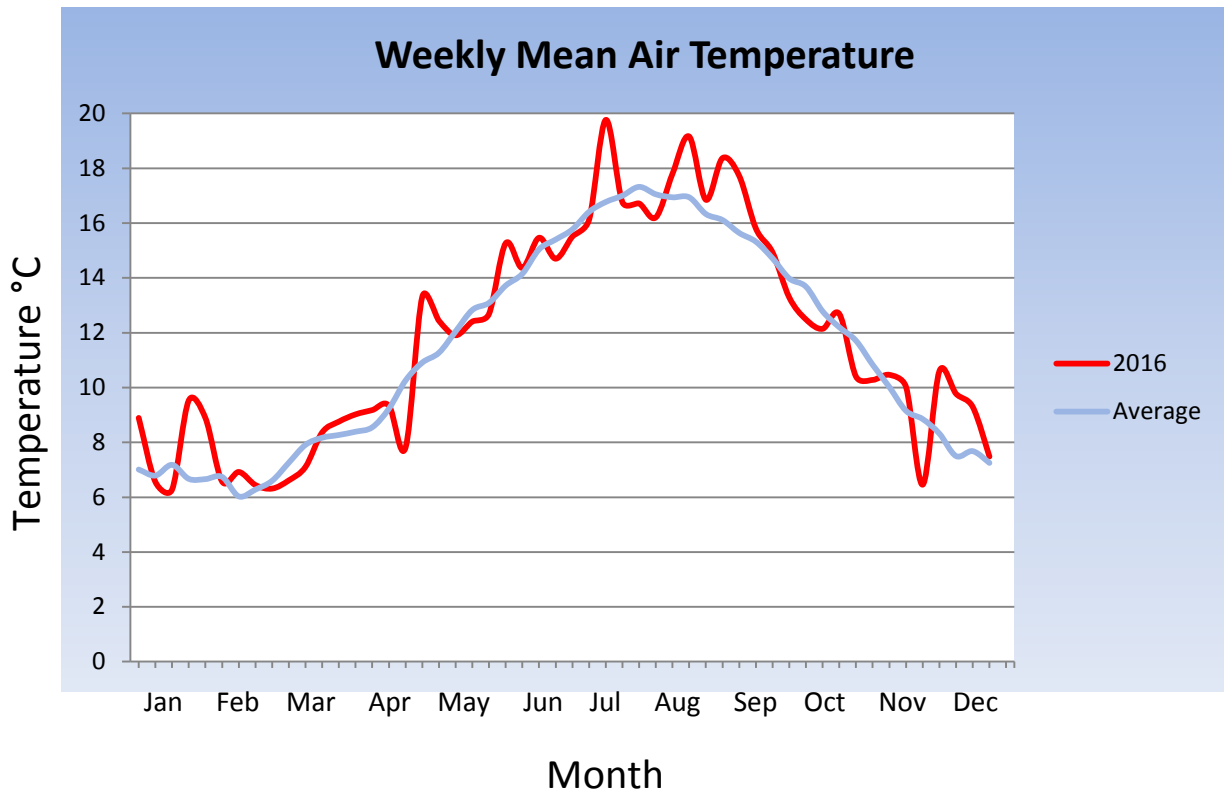
METEOROLOGICAL OBSERVATIONS AT GUERNSEY AIRPORT - DECEMBER 2016

DAY	DATE	BAROMETER	TEMPERATURE deg C						WIND				RAIN	SUN	WEATHER		
		mb	AIR			GRASS	SOIL		DIR'N	SPEED(knots)			mm	hrs			
		at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX					
THU	1	1032.2	10.7	3.7	7.2	-2.4	7.5	11.4	140	03	3.5	11	NIL	7.6	Slight hoar frost/shallow fog otherwise fine bcmg cldy eve.		
FRI	2	1026.5	10.4	4.8	7.6	-1.4	7.5	11.1	080	04	8.0	24	NIL	0.7	Mainly cldy, fair intervals. Excellent vis am. Dry air evening.		
SAT	3	1021.4	9.6	5.2	7.4	5.8	8.1	10.9	080	17	14.9	29	NIL	4.1	Cloudy start am becoming fine mid afternoon		
SUN	4	1018.9	6.9	3.7	5.3	1.8	7.7	10.8	100	20	13.7	29	NIL	7.0	Fine became fair by mid pm		
MON	5	1021.0	11.1	6.2	8.7	2.8	7.7	10.7	130	13	12.1	21	NIL	5.2	Fair.		
TUE	6	1027.2	11.4	9.9	10.7	7.7	8.4	10.5	190	03	8.8	17	NIL	NIL	Cloudy with mist/haze, isolated fog patches.		
WED	7	1028.0	12.3	10.5	11.4	8.6	9.0	10.5	160	10	11.1	19	NIL	0.2	Cloudy/Fair. High cloud thinning mid evening.		
THU	8	1027.6	12.6	10.5	11.6	8.8	9.3	10.5	180	11	11.4	21	TR	0.8	Cloudy occ fair, drizzle early eve		
FRI	9	1028.1	11.7	10.0	10.9	8.9	9.7	10.6	150	12	12.2	22	NIL	0.1	Cloudy, mist and fog a.m.		
SAT	10	1024.9	13.0	10.4	11.7	8.2	9.8	10.6	200	11	11.2	25	3.8	0.1	Cloudy, rain late eve for a time		
SUN	11	1028.0	12.3	6.5	9.4	-0.1	9.5	10.7	200	00	5.4	19	0.9	6.0	Fine am, good vis. Fog patches and low cloud, poor vis pm		
MON	12	1022.3	12.6	7.8	10.2	5.3	9.5	10.8	200	10	8.8	19	1.5	0.2	Cloudy. Mist am, clrng. Occn dzl & fog patches pm.		
TUE	13	1020.5	13.0	10.5	11.8	7.8	10.1	10.8	180	09	9.9	19	TR	0.4	Cloudy throughout. Occ rain/drizzle, mist and fog am. Mist pm		
WED	14	1017.2	11.5	8.6	10.1	5.7	10.0	10.8	140	14	12.5	22	TR	1.9	Fine bec fair then increasing low cloud towards eve		
THU	15	1018.2	10.9	9.6	10.3	8.3	10.0	10.9	150	10	10.9	21	2.3	NIL	Cloudy with occ drizzle am, rain/drizz mid day to early pm.		
FRI	16	1021.6	10.5	6.8	8.7	6.8	10.0	10.9	150	09	7.7	18	TR	1.7	Cldy, mist & lt rain am, bec fair pm, fine eve but shallow fog.		
SAT	17	1038.4	12.4	5.6	9.0	0.0	9.3	10.9	270	03	2.7	10	TR	6.6	Shallow fog, then fine, fog patches tempo late pm then cloudy.		
SUN	18	1038.1	11.3	5.7	8.5	-0.5	9.2	10.9	000	00	1.2	09	TR	2.9	Cloudy with light wind throughout and shallow fog late evening		
MON	19	1027.7	8.7	6.0	7.4	0.0	8.8	10.8	010	05	4.0	13	5.8	NIL	Cloudy day with rain/drizzle from early pm		
TUE	20	1020.4	8.9	5.4	7.2	3.4	8.8	10.7	150	06	10.0	26	3.6	1.9	Cldy & misty with lt rain/drzl clearing to fair intervals.		
WED	21	1021.9	11.4	8.4	9.9	5.7	8.9	10.6	200	14	11.2	27	7.1	NIL	Overcast, occ lt rain/drizzle mod at times. Fog patches evening.		
THU	22	1028.9	11.5	7.3	9.4	0.6	9.1	10.5	300	03	6.3	17	TR	4.3	Fair with sunny periods		
FRI	23	1032.3	11.8	8.2	10.0	3.7	9.1	10.5	200	17	15.0	33	0.6	0.9	Cloudy with rain/drizzle from mid pm into evening		
SAT	24	1032.4	11.2	9.0	10.1	5.1	9.3	10.5	280	13	15.4	27	TR	NIL	Cloudy, isol shwr pm.		
SUN	25	1029.6	11.7	10.6	11.2	7.4	9.5	10.5	250	17	17.0	30	1.9	NIL	Overcast, drizzle,mist and fog patches.		
MON	26	1033.8	11.6	5.1	8.4	6.7	9.9	10.5	310	10	8.3	32	NIL	2.2	Fair or fine with high cloud and some sunny periods		
TUE	27	1043.3	8.1	3.8	6.0	-1.4	8.6	10.5	100	06	7.4	20	NIL	3.4	Fair or fine with high cloud. Sunny periods		
WED	28	1037.1	9.1	3.3	6.2	-0.5	8.0	10.5	120	12	11.0	20	NIL	7.5	Fine with excellent visibility early pm.		
THU	29	1036.2	8.9	4.1	6.5	1.7	7.6	10.4	150	10	6.8	19	NIL	7.5	Fine, hoar frost late.		
FRI	30	1037.8	11.7	3.7	7.7	-2.8	7.0	10.2	100	02	1.3	08	TR	6.8	Cloudy bec fine mid morning, low cloud returning late evening		
SAT	31	1033.8	7.9	3.0	5.5	-1.0	6.9	10.0	150	06	5.5	16	TR	3.2	Cloudy/fair with sunny periods		
MEAN		1028.2	10.9	6.9	8.9	3.6	8.8	10.7	SE	9.0	9.2	TOTAL	27.5	83.2			
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 ≥0.2mm	WET ≥1.0mm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		9	7	0	0	0	0	0	8	10	0	0	6				
RECORDS FROM JANUARY 1947														RAINFALL	768.0 mm	SUNSHINE	1864.8 hrs
WETTEST DAY	42.9	DRIEST MONTH		27.5mm	LOWEST MIN		-3.8°C	WARMEST MNTH		11.6°C	SUNNIEST MNTH		108.9hrs	RAIN DAYS	173	SUNLESS DAYS	46
DAY/YEAR	4th/2010	YEAR		2016	DAY/YEAR		24th/1963	YEAR		2015	YEAR		2001	WET DAYS	119		
WETTEST MNTH	249.6mm	HIGHEST MAX		15.6°C	LOWEST GRASS		-8.9°C	COLDEST MNTH		4.4°C	DULLEST MNTH		26.6hrs				
YEAR	1999	DAY/YEAR		6th/1953	29th/1964,27th/1995		YEAR		2010	YEAR		1966					

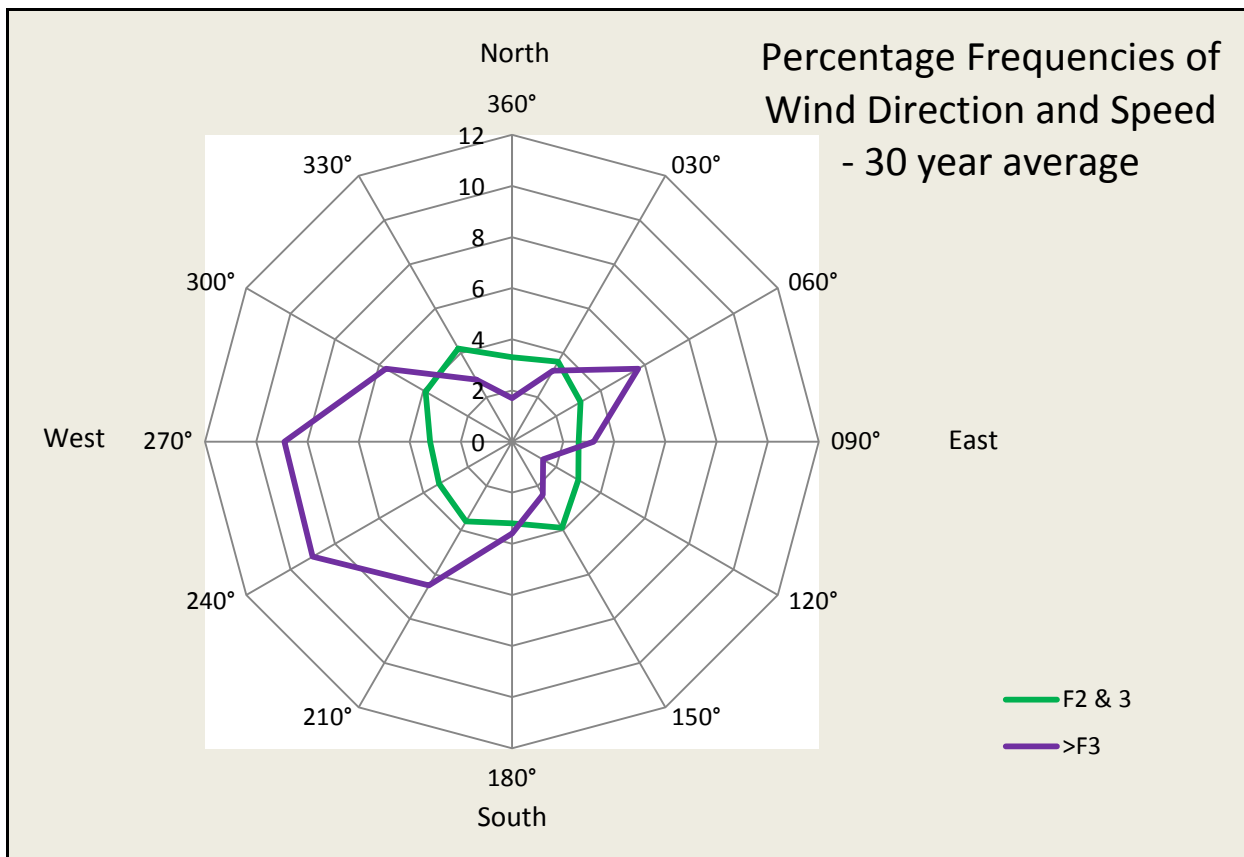
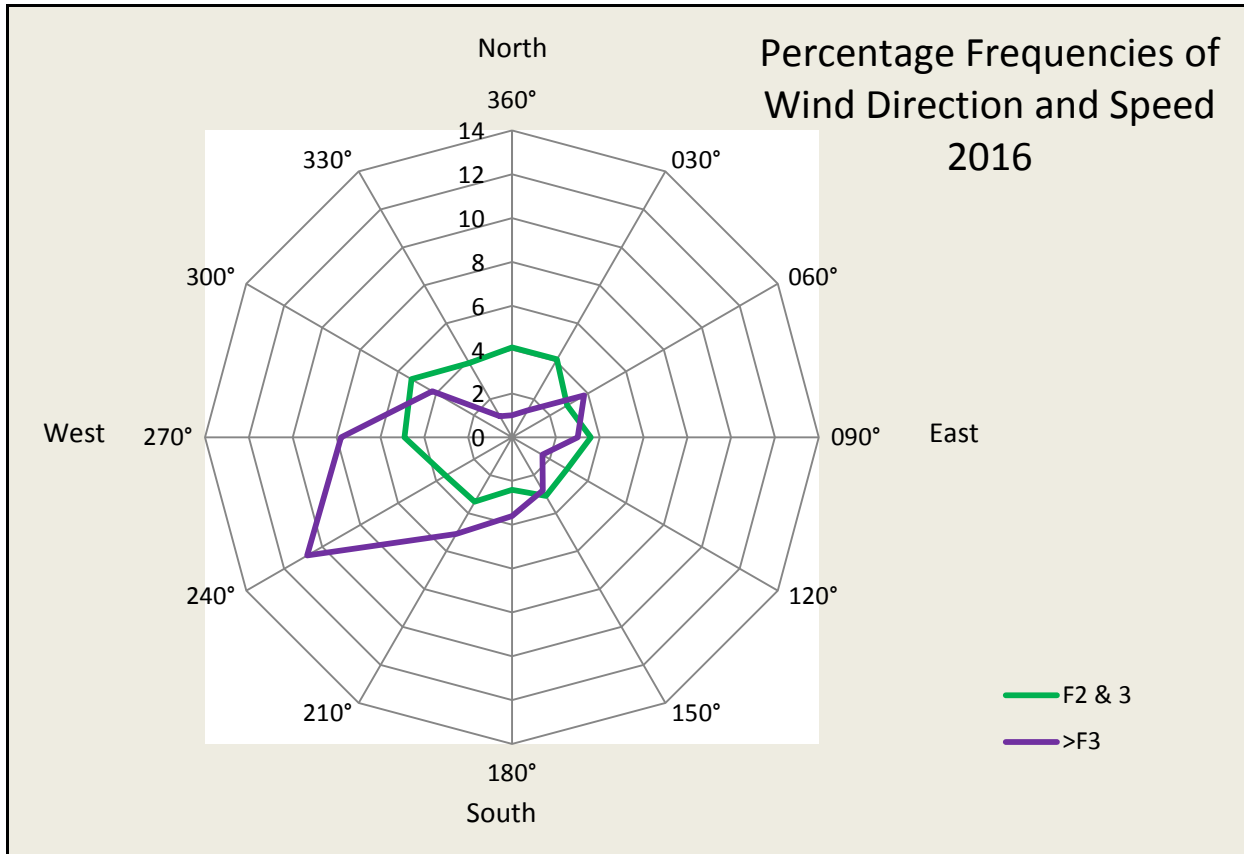
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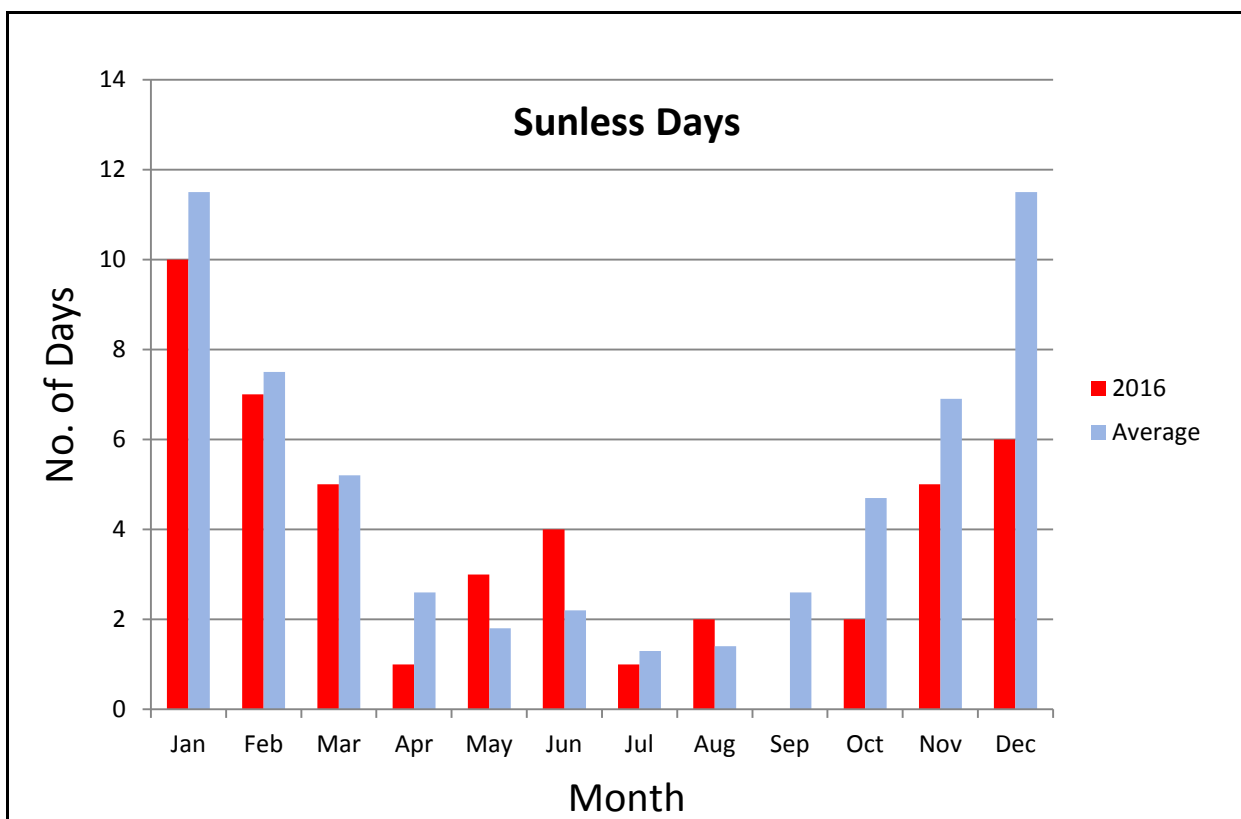
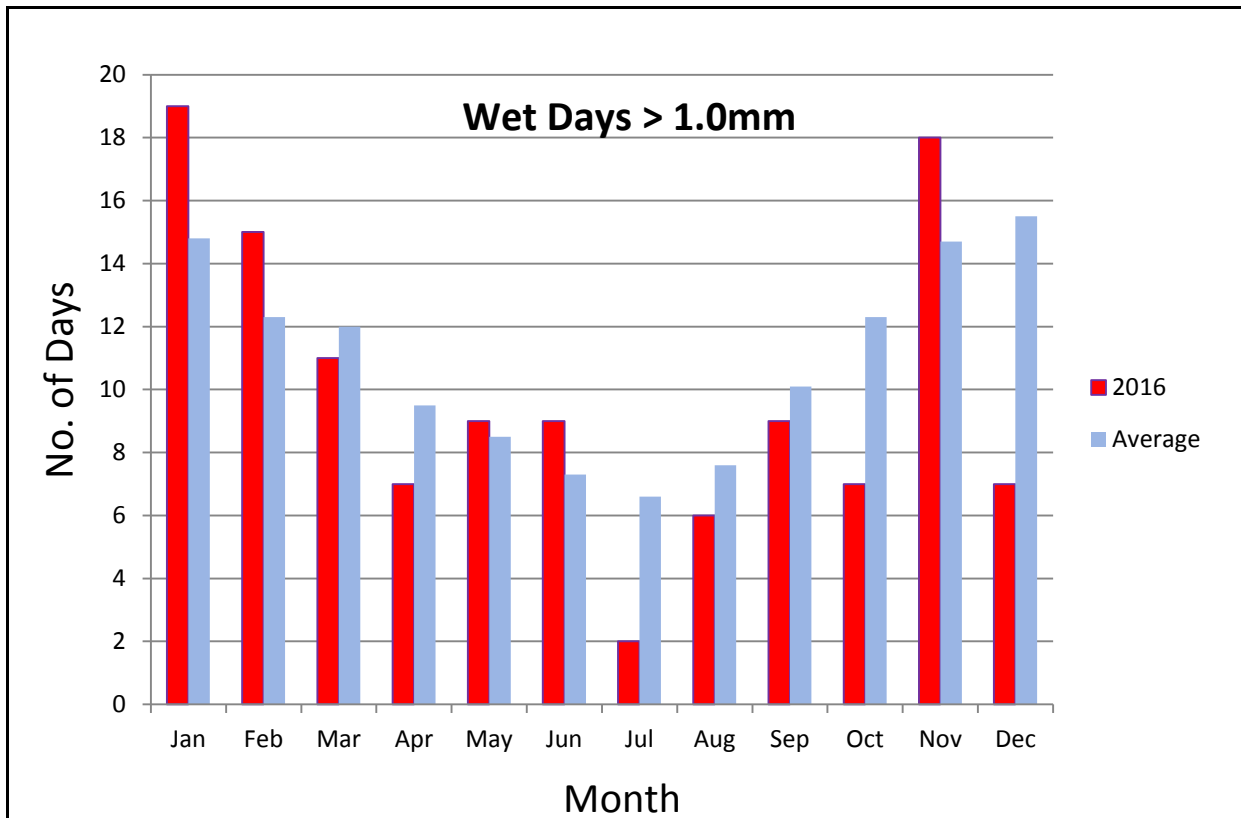
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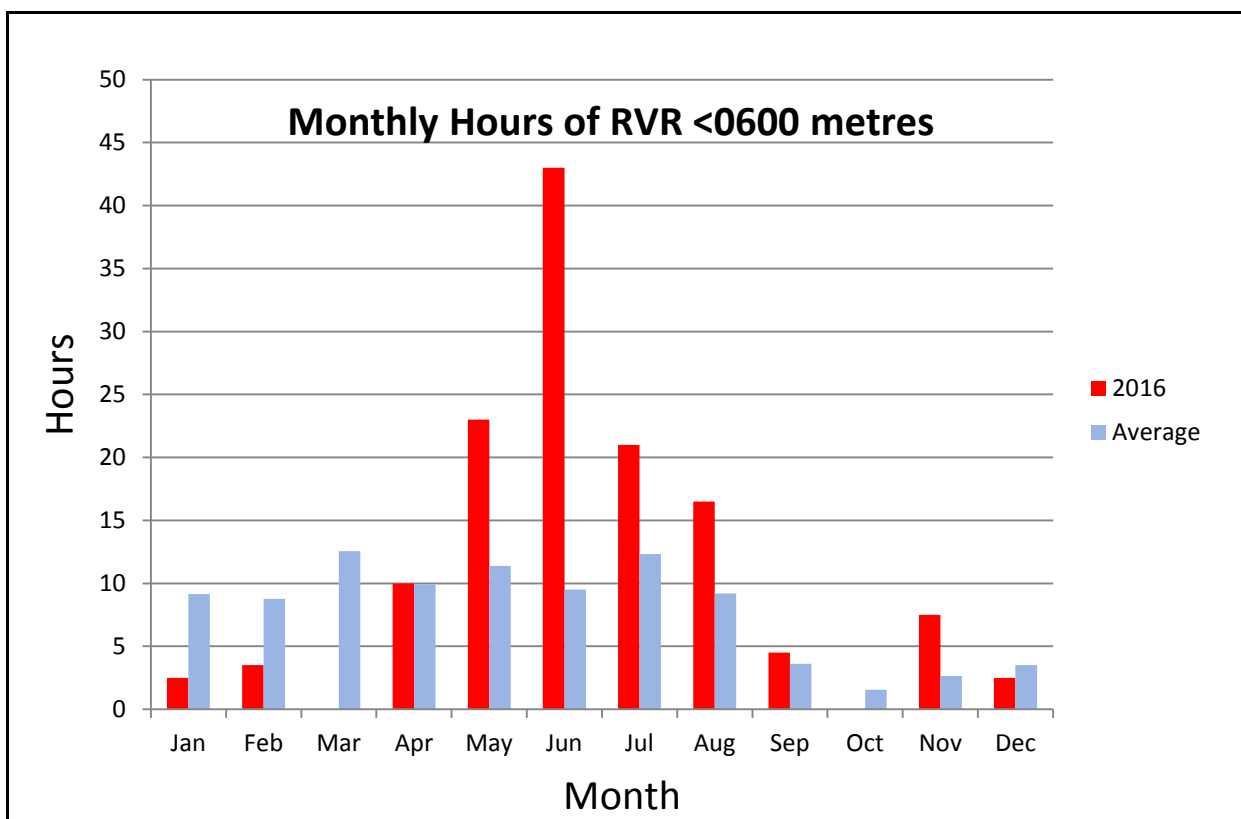
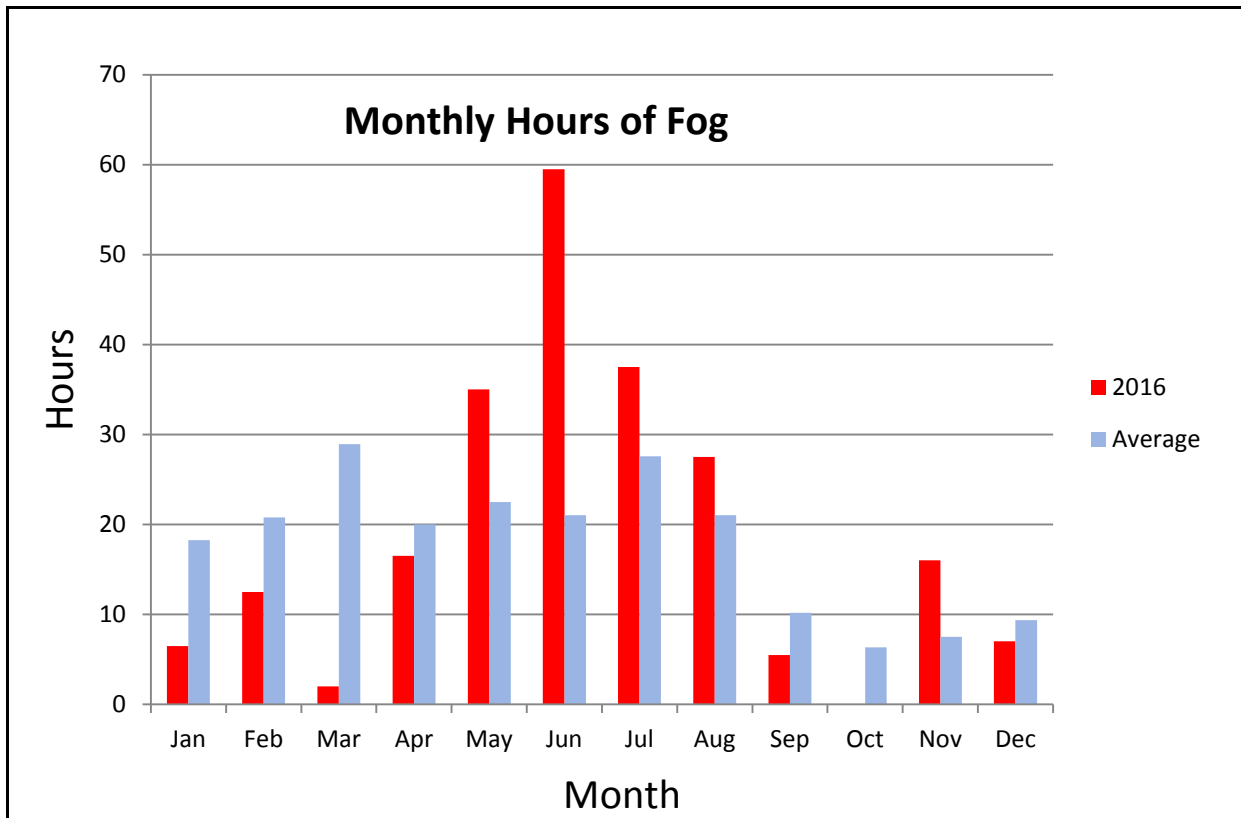
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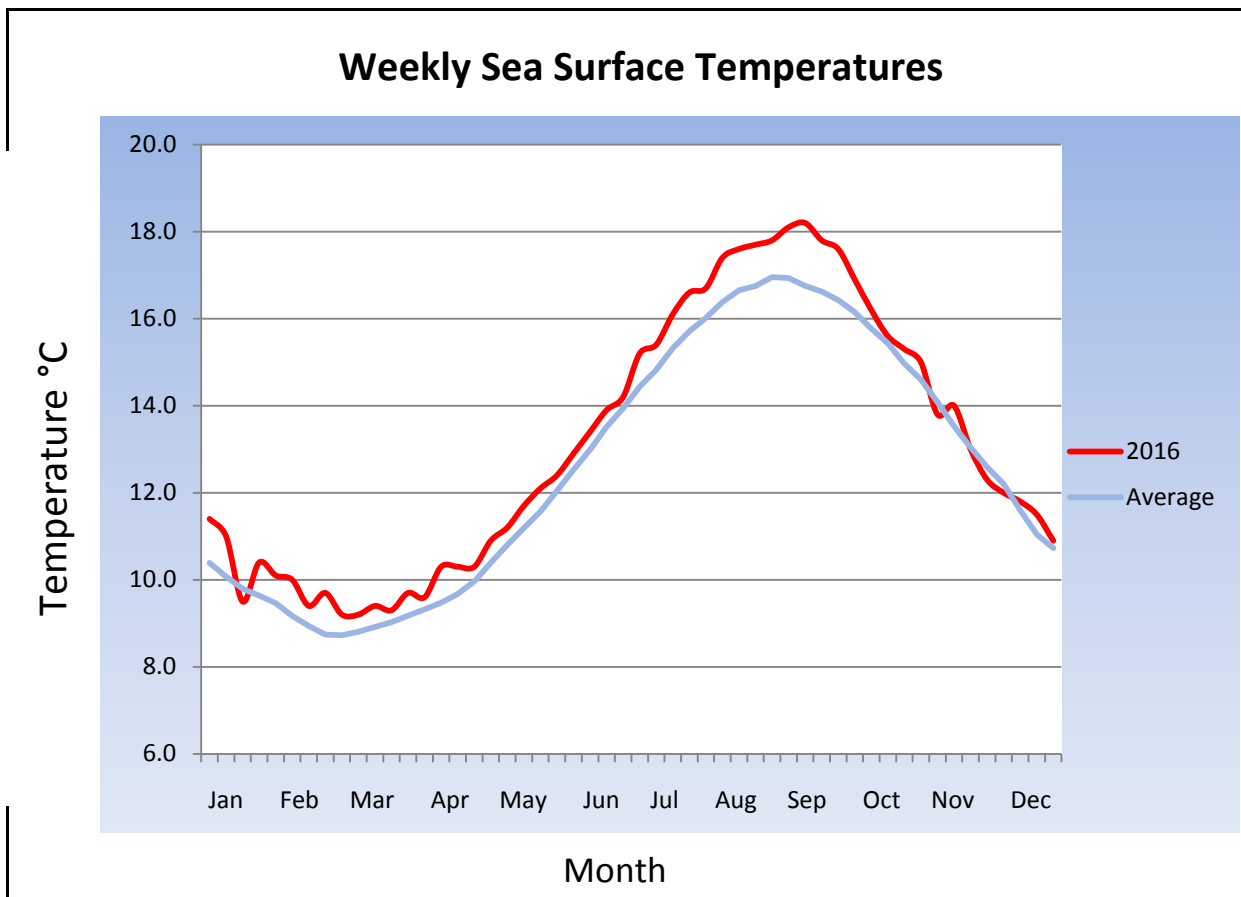
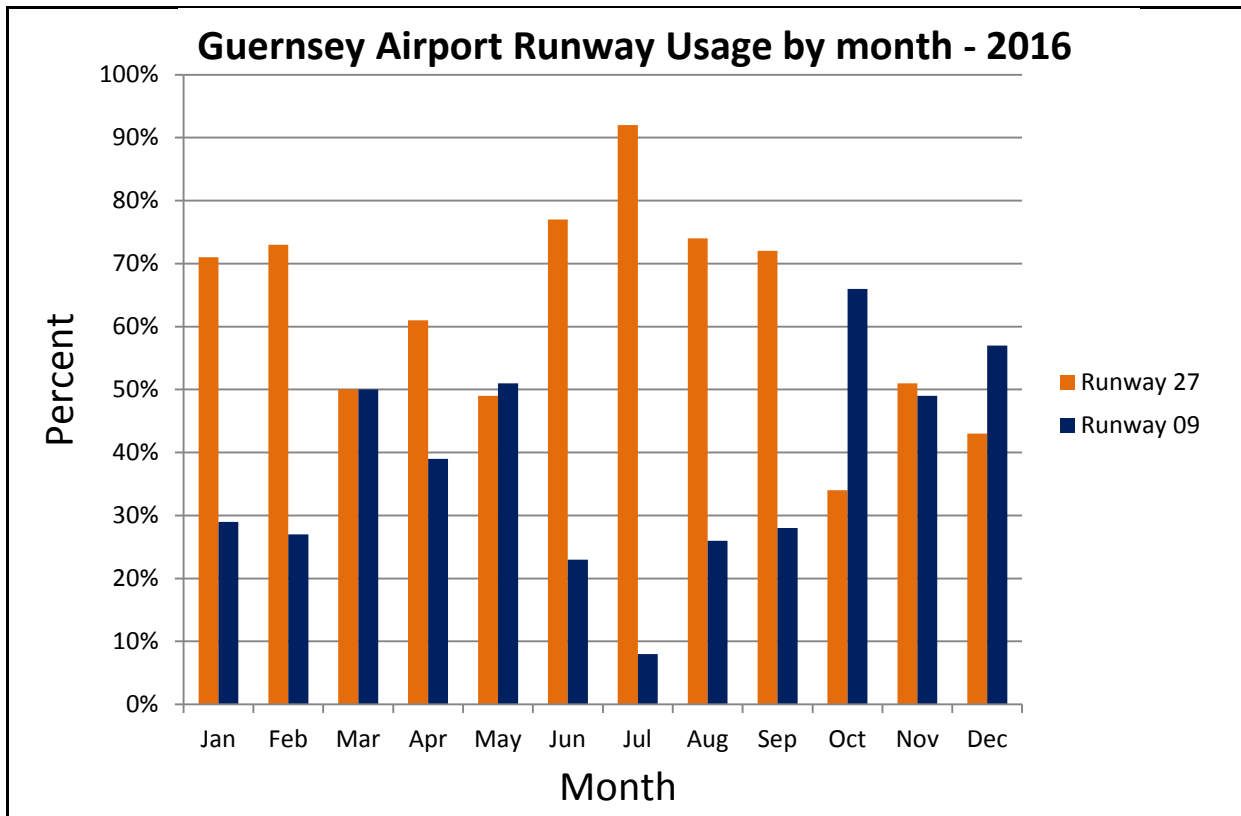
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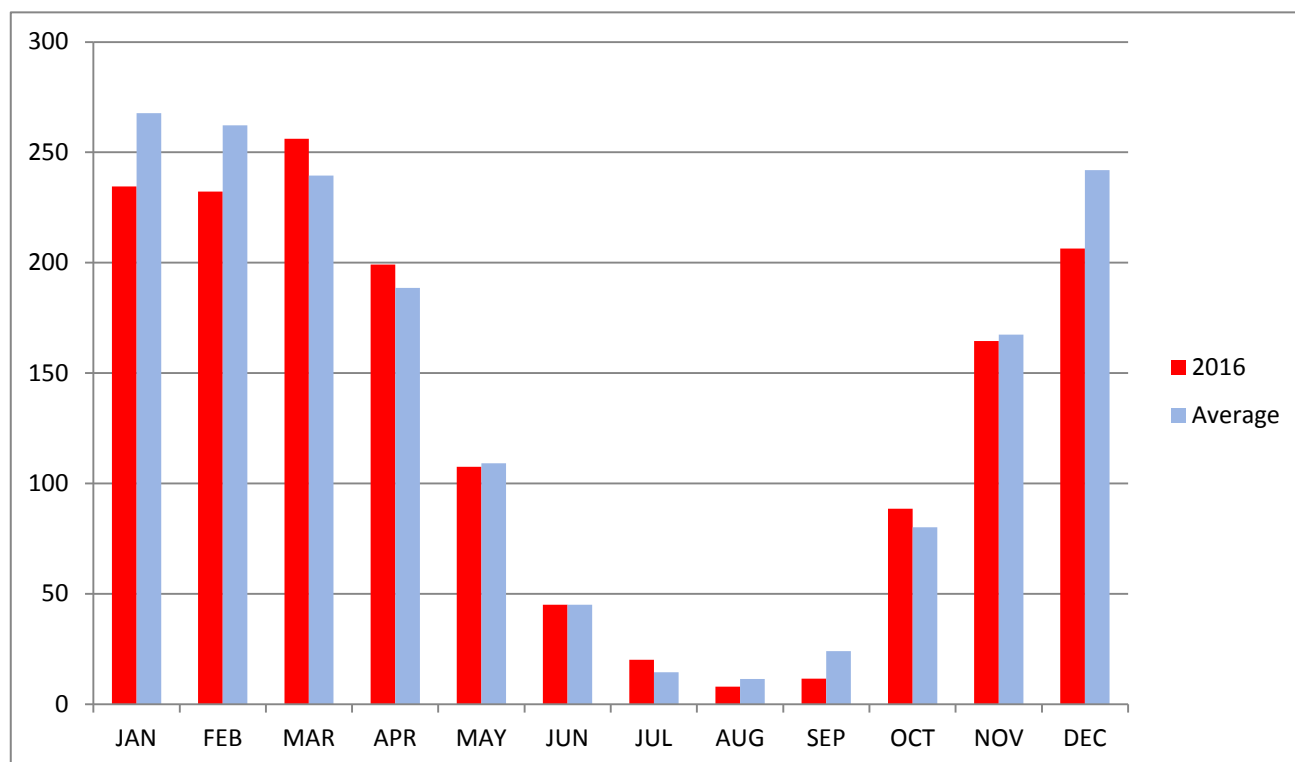
Degree Days

Monthly accumulated Degree Days below 15.5°C

(Average figures use data from 1981 - 2010)

	2016	Average
JAN	234.5	267.7
FEB	232.3	262.3
MAR	256.2	239.5
APR	199.2	188.6
MAY	107.6	109.1
JUN	45.1	45.1
JUL	20.2	14.5
AUG	7.9	11.4
SEP	11.6	24.0
OCT	88.5	80.2
NOV	164.5	167.5
DEC	206.4	242.0
YEAR	1574	1651.9

Accumulated Degree Days



Guernsey Met Office

2017 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 06	May	04:06	7.5	16:44	7.7	10:43	2.7	23:06	2.8
Sun 07	May	05:03	7.9	17:33	8.1	11:34	2.3	23:54	2.3
Sat 13	May	08:51	8.7	21:05	8.7	02:55	1.7	15:08	1.9
Sun 14	May	09:22	8.4	21:34	8.5	03:24	1.9	15:36	2.2
Sat 20	May	01:28	7.1	14:18	7.0	08:12	3.4	20:45	3.5
Sun 21	May	02:49	7.3	15:34	7.4	09:29	3.0	22:00	3.1
Sat 27	May	08:28	9.7	20:47	9.8	02:30	0.6	14:51	0.7
Sun 28	May	09:15	9.6	21:32	9.6	03:16	0.6	15:36	0.9
Sat 03	June	02:08	7.3	14:58	7.2	08:52	3.1	21:20	3.4
Sun 04	June	03:32	7.3	16:03	7.4	09:59	3.0	22:25	3.1
Sat 10	June	07:55	8.5	20:11	8.8	01:57	1.9	14:13	2.0
Sun 11	June	08:30	8.5	20:44	8.7	02:31	1.9	14:45	2.0
Sat 17	June	12:30	7.4			06:23	3.0	18:46	3.3
Sun 18	June	00:55	7.5	13:35	7.4	07:29	3.1	19:59	3.3
Sat 24	June	07:24	9.3	19:45	9.6	01:24	1.1	13:49	1.0
Sun 25	June	08:15	9.5	20:34	9.7	02:16	0.8	14:38	0.9
Sat 01	July	00:22	7.8	13:00	7.4	07:00	2.8	19:20	3.2
Sun 02	July	01:17	7.3	14:01	7.1	07:56	3.2	20:21	3.5
Sat 08	July	06:54	8.2	19:13	8.5	00:53	2.3	13:13	2.3
Sun 09	July	07:34	8.4	19:51	8.7	01:33	2.1	13:51	2.1
Sat 15	July	11:15	8.0	23:34	8.1	05:13	2.4	17:29	2.7
Sun 16	July	12:03	7.8			05:58	2.6	18:19	2.9
Sat 22	July	06:19	8.7	18:42	9.1	00:17	1.8	12:43	1.7
Sun 23	July	07:13	9.1	19:33	9.5	01:13	1.3	13:37	1.3
Sat 29	July	11:32	8.2	23:43	8.0	05:37	2.1	17:50	2.5
Sun 30	July	12:11	7.6			06:15	2.7	18:30	3.1
Sat 05	August	05:47	7.6	18:09	8.0	12:07	2.9		
Sun 06	August	06:32	8.0	18:52	8.4	00:29	2.6	12:50	2.5
Sat 12	August	10:16	8.7	22:32	8.8	04:18	1.7	16:32	2.0
Sun 13	August	10:54	8.4	23:13	8.4	04:54	1.9	17:10	2.3
Sat 19	August	05:11	8.0	17:37	8.4	11:35	2.4		
Sun 20	August	06:11	8.5	18:32	9.0	00:10	2.0	12:34	1.9
Sat 26	August	10:22	8.9	22:32	8.8	04:29	1.5	16:41	1.8
Sun 27	August	10:53	8.7	23:03	8.1	04:59	2.1	17:11	2.4
Sat 02	September	04:28	6.9	16:56	7.3	10:45	3.7	23:15	3.3
Sun 03	September	05:24	7.5	17:45	7.9	11:41	3.1		
Sat 09	September	09:20	9.3	21:37	9.4	03:24	1.1	15:40	1.3
Sun 10	September	09:56	9.1	22:14	9.1	03:59	1.3	16:15	1.6
Sat 16	September	03:55	7.3	16:25	7.7	10:21	3.2	23:02	2.8
Sun 17	September	05:06	7.9	17:27	8.3	11:28	2.6		
Sat 23	September	09:19	9.3	21:30	9.3	03:26	1.2	15:40	1.4
Sun 24	September	09:48	9.0	21:59	8.8	03:55	1.6	16:08	1.8
Sat 30	September	02:10	6.4	15:06	6.6	08:44	4.4	21:30	4.0

**Appendix IX – Reproduced by kind permission of La Société Guernesiaise
Astronomy Section**

La Société Guernesiaise Astronomy Section

Astronomical events in 2017

as seen from Guernsey

By David Le Conte

A major solar eclipse in the USA on 21 August will result in a minor partial eclipse in Guernsey just before sunset. We should have some good views of the planets, and a few comets may be sufficiently bright to be seen in the Observatory telescopes or with binoculars, or perhaps in one or two cases with the naked eye.

PLANETS

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

Date	Elongation	Direction to look	Time	Comments
19 January	24° Western	Low in East	Before sunrise	
01 April	19° Eastern	Low in West	After sunset	Too low
17 May	26° Western	Low in East	Before sunrise	
30 July	27° Eastern	Low in West	After sunset	
12 September	18° Western	Low in East	Before sunrise	Too low
24 November	22° Eastern	Low in west	After sunset	

On 16 September Mercury will be within half a degree of Mars, low in the east before sunrise.

Venus is the “Evening Star” in the west from the beginning of the year, and reaches greatest eastern elongation on 12 January. It is at inferior conjunction on 25 March and reappears as the “Morning Star” in April in the eastern pre-dawn sky, and maximum western elongation on 03 June. The best views will be in September. Then it gets lower in the sky as it heads towards superior conjunction in early January 2018. It will appear close to Mars on 05 October, and to Jupiter on 13 November 2017.

Early in the year **Mars** is visible in the south-west evening sky. It will disappear in April as it heads towards superior conjunction on 27 July. It will reappear in October as a pre-dawn object in the east. Being then 2.5 AU from Earth it will be faint and tiny – less than 4 arc-seconds in size – with no surface detail apparent. We will have to wait for its next excellent opposition – on 27 July 2018.

At the beginning of the year **Jupiter** is a morning object, rising around 1.00 am. By March it will rise at 10.30 pm. It reaches opposition on 07 April in Virgo, and will remain an evening object until September. It will reach conjunction with the Sun on 26 October, and in mid-November it will reappear in the pre-dawn morning sky in the east.

During the summer we can again expect to see the four Galilean moons, atmospheric bands on the planet’s 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/wp-content/observing-tools/jupiter_moons/jupiter.html on the *Sky & Telescope* website (register

at <http://tinyurl.com/24kp25> and remember 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/>), and some of the many astronomy apps, including the *JupiterMoons* app by Sky & Telescope, which also gives the transit times of the Great Red Spot. The Spot's transit times are also available at <http://www.skyandtelescope.com/observing/transit-times-of-jupiters-great-red-spot/>.

Saturn starts the year as a morning object, rising in the east in the constellation Ophiuchus about 07.30 am, and rising earlier as the months go by. Opposition is on 15 June, the planet rising as the Sun sets, and visible all night. It will remain visible, progressively as an evening object, until October, reaching conjunction with the Sun on 21 December. Its declination is again low this year, so again it will remain at a low altitude. However, with the rings still at a good angle it will continue to present a beautiful sight in telescopes, and its brightest moons, especially Titan, should be visible.

Uranus will be at opposition in Pisces on 19 October, at around magnitude 6. **Neptune** will be at opposition in Aquarius on 05 September, at magnitude 8.

SUPERMOONS

So-called 'supermoons' occur when the Full Moon happens to coincide with the Moon's closest approach to Earth ('perigee'), and therefore appear larger than usual. In 2016 there were three, but this year there will be just one – on 03 December.

DWARF PLANETS AND ASTEROIDS

Pluto will reach opposition on 10 July in Sagittarius, at magnitude 14. **Ceres** does not reach opposition until January 2018. The other three dwarf planets (Eris, Makemake and Haumea) are too faint to be seen in most amateur telescopes.

The brightest asteroid, **Vesta** will reach opposition on 21 January 2017, when it will be magnitude 6 in Cancer. January and February will, therefore, be a good time to observe it.

ECLIPSES

On 26 February an annular solar eclipse will be visible from South America and Africa.

On the night of 10/11 February a penumbral eclipse of the Moon will be entirely visible from Guernsey. It starts at 22.32 UT and ends at 02.55 UT, maximum eclipse being at 00.44 UT. The Moon will pass close to and within the lower edge of the Earth's shadow, so the dimming effect is unlikely to be very marked.

A partial lunar eclipse on 7 August will be visible from Eastern Europe, Africa, Asia and Australia. In Guernsey none of the umbral phase will be visible, but the Moon will still be in the penumbra as it rises at 20.33 BST. The eclipse ends at 21.52 BST.

A major total solar eclipse, referred to as the Great American Eclipse, occurs on 21 August, the path of totality completely crossing the United States, and being visible, therefore, to many millions of people. In Guernsey it will be briefly visible (if you are quick!) as a minor partial eclipse, starting half an hour before sunset, at 19.41 BST. Maximum eclipse of just 13% is at 20.08, and the Sun sets at 20.12. To see it one will need a good view of the western horizon. The event may, however, provide good imaging opportunities, with some foreground objects

providing added interest. If you are really keen take a trip to the US there are lots of information at <http://eclipse2017.nasa.gov/> and <http://mreclipse.com/Special/SEnext.html>.

Be sure to take precautions not to look at the Sun directly unless your eyes and/or telescope are properly protected by a specialist solar filter.

OCCULTATIONS AND CONJUNCTIONS

There will be a grazing occultation of Aldebaran by the Moon on 05 February, at 23.30 UT. It will be 0.3° from the Moon on 5 March at 04.50 UT. Aldebaran will be totally occulted by the Moon on 31 December from 01.18 to 01.53 UT.

The best conjunctions between planets, with their positions and separations, are:

01 January	Mars and Neptune	Evening in the west	0.3°
13 January	Venus and Neptune	Evening in the west	0.9°
27 February	Mars and Uranus	Evening in the west	0.7°
16 September	Mercury and Mars	Morning in the east	0.5°
05 October	Venus and Mars	Morning in the east	0.3°
13 November	Venus and Jupiter	Morning in the east	0.3°

METEORS

The **Quadrantids** peak on the night of 03/04 January. The Moon will be a few days old, so the morning hours should be dark. The **Perseids** peak on the night of 12/13 August, with up to 80 per hour. The waning gibbous Moon rises at 11.00 pm BST, affecting the visibility of the fainter morning meteors. The richest annual shower, the **Geminids** peaks on the night of 13/14 December. The waning crescent Moon will not rise until 2.45 am UT, so most of the night should be favourable.

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

COMETS

Comet 45/P Honda-Mrkos-Pajdusakova has a perigee of 0.08 AU on 11 February, and could become a binocular object.

Comet 41/P Tuttle-Giacobini-Kresak will approach just 0.14 AU to the Earth in late March, shortly before it reaches perihelion on 11 April, and could well become a naked-eye circumpolar object at that time, possibly even reaching 2nd magnitude. It may be a binocular object from March to June.

Comet 2/P Encke reaches perihelion on 10 March at 0.336 AU from the Sun. It will be best seen in February low in the west after dark, when it could reach magnitude 5.

Comet 96/P Machholz reaches perihelion on 28 October at 0.12 AU from the Sun and could reach magnitude 2.

Detailed comet predictions for 2017 are available on the website of the British Astronomical Association's Comet Section: <http://www.ast.cam.ac.uk/~jds/preds17.pdf>. Also check the Heavens-Above website (heavens-above.com) for star charts showing comet positions.

THE SUN

We are now well past the maximum of the sunspot cycle in 2014, but there can still be outbursts of activity, with displays of the aurora borealis (and australis) at high latitudes. Details of sunspot numbers are at www.ips.gov.au/Solar/1/6, and real-time views of the Sun are at <https://umbra.nascom.nasa.gov/newsite/images.html>. Auroral alerts, with lots of other information, are at www.spaceweather.com.

EQUINOXES AND SOLSTICES

The following are the dates and times of the equinoxes and solstices in 2017:

Vernal Equinox	20 March	10.30 UT
Summer Solstice	21 June	05.25 BST
Autumnal Equinox	22 September	21.03 BST
Winter Solstice	21 December	16.29 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 (which occur virtually every night), and periodic launches of ISS servicing craft. 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 webpage www.astronomy.org.gg/iss.htm.

WEA COURSE

The Astronomy Section's annual six-week WEA "Star Gazing" course at the Observatory will be run from 02 February to 09 March. It is usually over-subscribed, so early enrolment is recommended. See www.wea.org.gg, or telephone 237888.

OPEN DAYS

The Observatory will be open to the public again for a number of evenings during the year, including weekly openings on Thursday during the summer school holidays (27 July to 31 August). Details will appear on our website and will be sent to the local media.

REFERENCES

SkyMap Pro and *Starry Night Pro* software

<http://www.seasky.org/astronomy/astronomy-calendar-2017.html>

<http://www.timeanddate.com/>

RAS diary 2017

CALENDAR OF ASTRONOMICAL EVENTS IN 2017

Month	Date	Time	Event
January	01	Evening	Mars and Neptune conjunction (0.3°)
January	03/04		Quadrantid meteor shower (favourable)
January	04	14.18 UT	Earth at perihelion
January	12	Evening	Venus at greatest eastern elongation
January	13	Evening	Venus and Neptune conjunction (0.9°)
January	19	Before sunrise	Mercury at greatest western elongation
January	21	All night	Vesta at opposition (mag 6)
February	02	19.30 UT	WEA course starts at Observatory
February	05	23.30 UT	Grazing occultation of Aldebaran by Moon
February	10/11	22.32 – 02.55 UT	Penumbral lunar eclipse
February	11		Comet 45/P HMP at perigee
February	27	Evening	Mars and Uranus conjunction (0.7°)
March	09	19.30 UT	WEA course – final class
March	10		Comet 2/P Encke at perihelion
March	20	10.30 UT	Vernal Equinox
Late March			Comet 41P TGK at perigee
March	25		Venus at inferior conjunction
March	26	01.00 UT	BST starts
April	01	After sunset	Mercury at greatest eastern elongation
April	07	All night	Jupiter at opposition
May	17	Before sunrise	Mercury at greatest western elongation
June	03	Morning	Venus at maximum western elongation
June	15	All night	Saturn at opposition
June	21	05.25 BST	Summer Solstice
July	03	21.11 BST	Earth at aphelion
July	10	All night	Pluto at opposition (magnitude 14)
July	27	Evening	Observatory Open Evenings start
July	30	After sunset	Mercury at greatest eastern elongation
August	07	Evening	Penumbral lunar eclipse
August	12/13		Perseid meteor shower
August	21	Before sunset	Partial solar eclipse (13%). Total in USA.
August	31	Evening	Observatory Open Days end
September	05	All night	Neptune at opposition (magnitude 8)
September	12	Before sunrise	Mercury at greatest western elongation
September	16	Before sunrise	Mercury and Mars conjunction (0.5°)
September	22	21.03 BST	Autumnal Equinox
October	05	Before sunrise	Venus and Mars conjunction (0.3°)
October	19	All night	Uranus at opposition (magnitude 6)
October	26		Jupiter conjunction with Sun
October	28		Comet 96/P Machholz at perihelion
October	29	02.00 BST	BST ends
November	13	Morning	Venus and Jupiter conjunction (0.3°)
November	24	After sunset	Mercury at greatest eastern elongation
December	03	All night	Supermoon
December	13/14		Geminid meteor shower (favourable)
December	21	16.29 UT	Winter Solstice
December	21		Saturn conjunction with Sun
December	31	01.18 – 01.53	Occultation of Aldebaran by Moon

Lihou Island - Causeway Opening Times - 2017

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	16:01	18:25	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	Closed	
05-May		Closed	05-Jun		Closed	05-Jul		Closed	05-Aug	Closed		05-Sep	11:57	14:15
06-May		Closed	06-Jun		Closed	06-Jul		Closed	06-Aug	12:12	13:26	06-Sep	12:19	15:11
07-May	10:45	12:19	07-Jun	11:30	13:12	07-Jul		Closed	07-Aug	12:22	14:35	07-Sep	12:49	15:57
08-May	11:04	13:24	08-Jun	11:53	14:05	08-Jul	12:16	14:05	08-Aug	12:48	15:26	08-Sep	13:22	16:37
09-May	11:30	14:14	09-Jun	12:21	14:48	09-Jul	12:42	14:55	09-Aug	13:20	16:08	09-Sep	13:59	17:11
10-May	12:00	14:56	10-Jun	12:55	15:24	10-Jul	13:14	15:36	10-Aug	13:54	16:44	10-Sep	14:42	17:41
11-May	12:33	15:32	11-Jun	13:32	15:53	11-Jul	13:50	16:11	11-Aug	14:32	17:16	11-Sep	15:37	18:03
12-May	13:08	16:01	12-Jun	14:15	16:16	12-Jul	14:30	16:41	12-Aug	15:15	17:44	12-Sep	Closed	
13-May	13:47	16:22	13-Jun	15:06	16:30	13-Jul	15:14	17:06	13-Aug	16:13	18:05	13-Sep	Closed	
14-May	14:33	16:35	14-Jun		Closed	14-Jul	16:09	17:25	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	Closed	
18-May	Closed		18-Jun		Closed	18-Jul		Closed	18-Aug		Closed	18-Sep	11:08	13:26
19-May	Closed		19-Jun		Closed	19-Jul		Closed	19-Aug	10:56	12:11	19-Sep	11:34	14:31
20-May	Closed		20-Jun		Closed	20-Jul		Closed	20-Aug	11:13	13:44	20-Sep	12:06	15:23
21-May	Closed		21-Jun	09:54	11:59	21-Jul	10:35	12:43	21-Aug	11:46	14:51	21-Sep	12:41	16:05
22-May	09:59	11:07	22-Jun	10:30	13:18	22-Jul	11:11	14:02	22-Aug	12:23	15:46	22-Sep	13:18	16:40
23-May	10:09	12:45	23-Jun	11:12	14:25	23-Jul	11:53	15:06	23-Aug	13:02	16:31	23-Sep	13:58	17:07
24-May	10:42	13:55	24-Jun	11:58	15:24	24-Jul	12:36	16:02	24-Aug	13:43	17:09	24-Sep	14:43	17:23
25-May	11:22	14:54	25-Jun	12:45	16:16	25-Jul	13:21	16:49	25-Aug	14:26	17:38	25-Sep	15:45	17:20
26-May	12:06	15:47	26-Jun	13:34	17:02	26-Jul	14:07	17:29	26-Aug	15:15	17:56	26-Sep	Closed	
27-May	12:53	16:34	27-Jun	14:26	17:42	27-Jul	14:56	18:01	27-Aug	16:24	17:53	27-Sep	Closed	
28-May	13:43	17:15	28-Jun	15:24	18:15	28-Jul	15:53	18:23	28-Aug		Closed	28-Sep	Closed	
29-May	14:39	17:51	29-Jun	16:36	18:36	29-Jul		Closed	29-Aug		Closed	29-Sep	Closed	
30-May	15:47	18:20	30-Jun		Closed	30-Jul		Closed	30-Aug		Closed	30-Sep	Closed	
31-May	17:25	18:28				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

2017 Official Guernsey Ormering Tides

Day & Month	Predicted Height (m)	Time	Day & Month	Predicted Height (m)	Time
Thu 12 Jan	1.2	12:42	Sat 11 Feb	0.9	13:17
Fri 13 Jan	0.9	13:30	Sun 12 Feb	0.8	13:58
Sat 14 Jan	0.9	14:15	Mon 13 Feb	0.9	14:36
Sat 28 Jan	1.6	13:11	Sun 26 Feb	1.4	12:51
Sun 29 Jan	1.4	13:49	Mon 27 Feb	1.0	13:32
Mon 30 Jan	1.3	14:26	Tue 28 Feb	0.8	14:10

Day & Month	Predicted Height (m)	Time	Day & Month	Predicted Height (m)	Time
Sun 12 Mar	1.0	12:57	Tue 11 Apr	1.2	14:07
Mon 13 Mar	0.9	13:35	Wed 12 Apr	1.2	14:40
Tue 14 Mar	0.9	14:10	Thu 13 Apr	1.4	15:10
Tue 28 Mar	0.8	14:08	Wed 26 Apr	0.8	13:42
Wed 29 Mar	0.5	14:48	Thu 27 Apr	0.5	14:25
Thu 30 Mar	0.5	15:27	Fri 28 Apr	0.5	15:08

All times local

Phases of the Moon - 2017

New Moon	First Quarter	Full Moon	Last Quarter
	5th Jan	12th Jan	19th Jan
28th Jan	4th Feb	11th Feb	18th Feb
26th Feb	5th Mar	12th Mar	20th Mar
28th Mar	3rd Apr	11th Apr	19th Apr
26th April	3rd May	10th May	19th May
25th May	1st Jun	9th Jun	17th Jun
24th Jun	1st Jul	9th Jul	16th Jul
23rd Jul	30th Jul	7th Aug	15th Aug
21st Aug	29th Aug	6th Sep	13th Sep
20th Sep	28th Sep	5th Oct	12th Oct
19th Oct	27th Oct	4th Nov	10th Nov
18th Nov	26th Nov	3rd Dec	10th Dec
18th Dec	26th Dec		

GUERNSEY AIRPORT SUNRISE/SUNSET TIMES - 2017

2017 Sunrise and Sunset Times for Guernsey Airport, 49°26'N 02°36'W (calculated for sea-level)

Times are UTC (=GMT)

17	JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE				JULY				AUGUST				SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER				17
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	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	DY												
1	S	0806	1622	W	0742	1707	W	0653	1753	S	0547	1842	M	0448	1928	T	0409	2008	S	0408	2020	T	0442	1951	F	0526	1853	S	0610	1749	W	0659	1648	F	0745	1614	1												
2	M	0806	1623	T	0741	1708	T	0651	1755	S	0545	1843	T	0447	1929	F	0408	2009	S	0409	2020	W	0443	1949	S	0528	1851	M	0612	1747	T	0700	1647	S	0746	1613	2												
3	T	0806	1624	F	0739	1710	F	0649	1757	M	0543	1845	W	0445	1931	S	0408	2010	M	0410	2019	T	0445	1948	S	0529	1849	T	0613	1745	F	0702	1645	S	0747	1613	3												
4	W	0806	1625	S	0738	1712	S	0647	1758	T	0541	1847	T	0443	1932	S	0407	2011	T	0410	2019	F	0446	1946	M	0531	1847	W	0615	1742	S	0704	1644	M	0749	1612	4												
5	T	0806	1626	S	0736	1713	S	0645	1800	W	0539	1848	F	0441	1934	M	0406	2012	W	0411	2018	S	0447	1944	T	0532	1845	T	0616	1740	S	0705	1642	T	0750	1612	5												
6	F	0805	1628	M	0735	1715	M	0643	1801	T	0537	1850	S	0440	1935	T	0406	2013	T	0412	2018	S	0449	1943	W	0534	1843	F	0618	1738	M	0707	1641	W	0751	1612	6												
7	S	0805	1629	T	0733	1717	T	0641	1803	F	0535	1851	S	0438	1937	W	0405	2014	F	0413	2017	M	0450	1941	T	0535	1841	S	0619	1736	T	0709	1639	T	0752	1612	7												
8	S	0805	1630	W	0731	1718	W	0638	1805	S	0533	1853	M	0437	1938	T	0405	2014	S	0414	2017	T	0452	1939	F	0537	1838	S	0621	1734	W	0710	1638	F	0753	1611	8												
9	M	0804	1631	T	0730	1720	T	0636	1806	S	0531	1854	T	0435	1939	F	0405	2015	S	0415	2016	W	0453	1938	S	0538	1836	M	0622	1732	T	0712	1636	S	0754	1611	9												
10	T	0804	1633	F	0728	1722	F	0634	1808	M	0529	1856	W	0434	1941	S	0404	2016	M	0415	2016	T	0454	1936	S	0539	1834	T	0624	1730	F	0713	1635	S	0755	1611	10												
11	W	0803	1634	S	0726	1723	S	0632	1809	T	0526	1857	T	0432	1942	S	0404	2016	T	0416	2015	F	0456	1934	M	0541	1832	W	0625	1728	S	0715	1633	M	0756	1611	11												
12	T	0803	1635	S	0725	1725	S	0630	1811	W	0524	1859	F	0431	1944	M	0404	2017	W	0417	2014	S	0457	1932	T	0542	1830	T	0627	1726	S	0717	1632	T	0757	1611	12												
13	F	0802	1637	M	0723	1727	M	0628	1813	T	0522	1900	S	0429	1945	T	0404	2018	T	0418	2013	S	0459	1931	W	0544	1828	F	0628	1724	M	0718	1631	W	0758	1611	13												
14	S	0801	1638	T	0721	1729	T	0626	1814	F	0520	1902	S	0428	1946	W	0404	2018	F	0419	2012	M	0500	1929	T	0545	1826	S	0630	1722	T	0720	1629	T	0759	1611	14												
15	S	0801	1640	W	0719	1730	W	0624	1816	S	0518	1903	M	0426	1948	T	0403	2019	S	0421	2012	T	0502	1927	F	0547	1823	S	0632	1720	W	0721	1628	F	0800	1611	15												
16	M	0800	1641	T	0718	1732	T	0622	1817	S	0516	1905	T	0425	1949	F	0403	2019	S	0422	2011	W	0503	1925	S	0548	1821	M	0633	1718	T	0723	1627	S	0801	1612	16												
17	T	0759	1643	F	0716	1734	F	0619	1819	M	0514	1906	W	0424	1951	S	0403	2019	M	0423	2010	T	0505	1923	S	0550	1819	T	0635	1716	F	0725	1626	S	0801	1612	17												
18	W	0758	1644	S	0714	1735	S	0617	1820	T	0512	1908	T	0423	1952	S	0403	2020	T	0424	2009	F	0506	1921	M	0551	1817	W	0636	1714	S	0726	1625	M	0802	1612	18												
19	T	0757	1646	S	0712	1737	S	0615	1822	W	0510	1909	F	0421	1953	M	0404	2020	W	0425	2008	S	0507	1919	T	0553	1815	T	0638	1712	S	0728	1624	T	0803	1613	19												
20	F	0756	1647	M	0710	1739	M	0613	1823	T	0508	1911	S	0420	1954	T	0404	2020	T	0426	2006	S	0509	1918	W	0554	1813	F	0639	1710	M	0729	1622	W	0803	1613	20												
21	S	0755	1649	T	0708	1740	T	0611	1825	F	0507	1913	S	0419	1956	W	0404	2020	F	0428	2005	M	0510	1916	T	0555	1810	S	0641	1708	T	0731	1621	T	0804	1613	21												
22	S	0754	1650	W	0707	1742	W	0609	1827	S	0505	1914	M	0418	1957	T	0404	2021	S	0429	2004	T	0512	1914	F	0557	1808	S	0643	1706	W	0732	1620	F	0804	1614	22												
23	M	0753	1652	T	0705	1744	T	0607	1828	S	0503	1916	T	0417	1958	F	0404	2021	S	0430	2003	W	0513	1912	S	0558	1806	M	0644	1704	T	0734	1620	S	0805	1615	23												
24	T	0752	1653	F	0703	1745	F	0604	1830	M	0501	1917	W	0416	1959	S	0405	2021	M	0431	2002	T	0515	1910	S	0600	1804	T	0646	1703	F	0735	1619	S	0805	1615	24												
25	W	0751	1655	S	0701	1747	S	0602	1831	T	0459	1919	T	0415	2001	S	0405	2021	T	0433	2000	F	0516	1908	M	0601	1802	W	0647	1701	S	0737	1618	M	0805	1616	25												
26	T	0750	1657	S	0659	1748	S	0600	1833	W	0457	1920	F	0414	2002	M	0406	2021	W	0434	1959	S	0518	1906	T	0603	1800	T	0649	1659	S	0738	1617	T	0806	1617	26												
27	F	0749	1658	M	0657	1750	M	0558	1834	T	0455	1922	S	0413	2003	T	0406	2021	T	0435	1958	S	0519	1904	W	0604	1757	F	0651	1657	M	0739	1616	W	0806	1617	27												
28	S	0747	1700	T	0655	1752	T	0556	1836	F	0454	1923	S	0412	2004	W	0407	2021	F	0436	1956	M	0521	1902	T	0606	1755	S	0652	1655	T	0741	1616	T	0806	1618	28												
29	S	0746	1702				W	0554	1837	S	0452	1925	M	0411	2005	T	0407	2020	S	0438	1955	T	0522	1900	F	0607	1753	S	0654	1654	W	0742	1615	F	0806	1619	29												
30	M	0745	1703				T	0552	1839	S	0450	1926	T	0410	2006	F	0408	2020	S	0439	1954	W	0523	1857	S	0609	1751	M	0656	1652	T	0744	1614	S	0806	1620	30												
31	T	0743	1705				F	0550	1840				W	0410	2007				M	0440	1952	T	0525	1855				T	0657	1650				S	0806	1621	31												