

# Guernsey Met Office



# 2013 Annual Weather Report

**INCLUDING DATA FROM  
LIHOU ISLAND ALDERNEY SARK**

# Guernsey Airport Meteorological Office – Annual Report 2013

The 2013 Guernsey Annual Weather Report is produced by

## **The Guernsey Meteorological Office**

In association with

## **The States of Guernsey Environment Department**

Front cover photo:

**12<sup>th</sup> March 2013** – Taken during the late morning as the March 2013 blizzard began to weaken, the photo records snow drifts of up to 8 feet in the Rue de L’Aitte, Torteval. Snow blowing off the surrounding fields has added to the 9 inches of snow that fell at this location during the preceding 36 hours.

Amounts of snow cover and drifting varied widely across the island with snow depths of little more than 2 inches at Bordeaux. The higher ground in the south of the island – particularly in St. Saviours, St Peters, Forest and Torteval – by contrast experienced a much longer period of sub-zero temperatures and the consequently greater snow depths.

The snowfall was the heaviest since 1987, although even in 1987 the drifting was not as severe and there was, arguably, less disruption to everyday life.

Photo credit: Martin Crozier

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## 2013 – Senior Met Officer's Report on Guernsey Weather & Climate Change

The weather was back in the news headlines in a big way in 2013. A cold and often snowy winter and spring gave way to the best summer since 2006 followed by mainly mild and often quite pleasant autumn days. Gales and heavy rain arrived in December to remind us that winter had finally appeared.



*The afternoon of 28<sup>th</sup> July saw a brief but torrential thunderstorm move north over Guernsey Airport. The photo shows the cloud responsible for some flash flooding experienced in parts of the island. A short period of intense rainfall accompanied by thunder and lightning saw over half an inch of rain fall and with the airport contractors still to complete work on the new drainage system, the resulting surface water on the airport apron was unavoidable. Photo credit: Bridget Bonnefin*

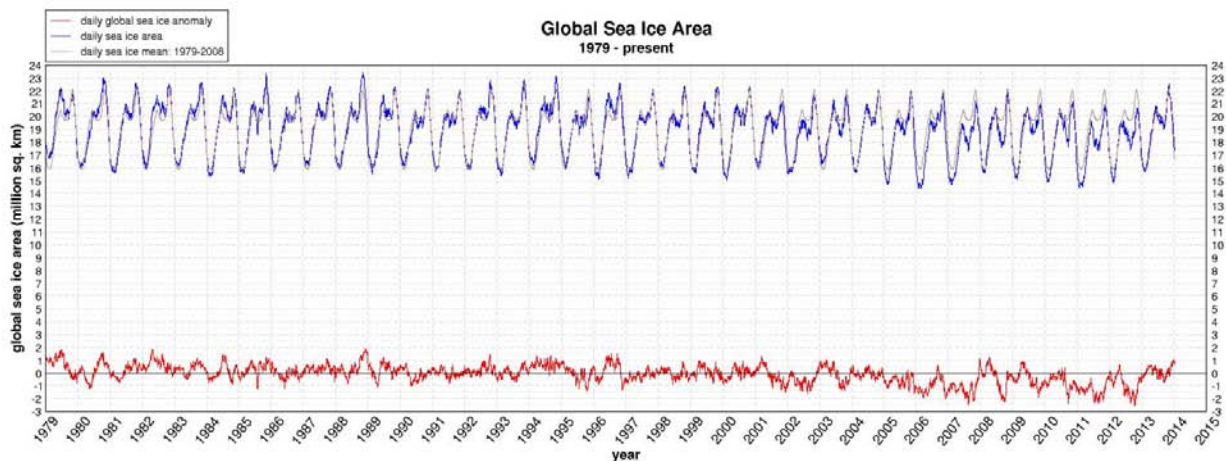
With our memories of a fairly benign and warm second half of 2013 now prevailing, it comes as something of a surprise that statistics show the year – for the second year running – to be cooler, wetter and duller than normal. The blame for this falls squarely on the poor conditions that persisted from January right through until June. In particular, the bitterly cold early spring with its many snow days and overcast skies exerted a notable influence on the weather statistics for the whole year.

Globally, the weather also provided us with some highlights even if the global climate statistics were – in the main – little changed on previous years. The winter and early spring provided outbreaks of intense cold and heavy snow for every continent in the northern hemisphere. New record minimum temperatures were set in China, Bangladesh, the USA

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and Spain, whilst many new records for snowfall depth were set across Europe, from Normandy to Moscow.

During the past few years, amounts of sea ice have generally been below average, however 2013 saw a strong recovery with both poles gaining ice to such an extent that the amount of sea ice was well above the long term average by the end of the year.



*Global sea ice area has been measured accurately since satellite observations commenced in 1978. Reproduced using data provided by the University of Illinois and NOAA.*

2013 was a busy year for Guernsey Met Office. The high number of notable weather events during the year led to us taking a higher profile in the local news media. We continued to make the local data gathering operation more robust and responsive to the needs of customers in the aviation and business areas and also to academic institutions and the general public.

New backup equipment for monitoring wind speeds and directions was installed at Alderney Airport – fortuitously about a month before the main monitoring system failed following a lightning strike. Data gathering continued from our 2 automatic weather stations at Chouet and on Lihou Island, with the amount of Chouet wind data, in particular, now being sufficient to compile some useful statistics about average and extreme wind speeds at Guernsey’s windiest coastal locations.

Roy Cook in Sark and Brian Bonnard in Alderney continued to provide us with daily weather records from the smaller islands. As all Met Observers know, measuring the day’s rainfall in strong winds and driving rain takes just long enough to get cold and wet, so their dedication is much appreciated!

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*The early stages of the March blizzard saw temperatures hovering close to freezing point. The resulting slushy snow deposits weighed heavily on the island's trees and, combined with the gale force winds, caused many to fall. The example above is blocking the Rue des Blicqs. When temperatures fell below -1°C, the snowfall became more powdery in nature which spared further damage to the trees but instead began to build the substantial snowdrifts that then closed many of the roads unaffected by fallen trees. Photo credit: Peter De La Mare*

Finally, I must extend my thanks to the small team of observers who work 24 / 7 at Guernsey Airport providing a service not just to the island but to other meteorological services and academic institutions in other countries as well. Guernsey Airport is one of Britain's major synoptic weather stations gathering enough data on the environment each year to completely fill the hard drive of the average home PC.

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This weather data is a valuable community service for the whole of the Bailiwick used not just to service the needs of Guernsey Airport and aircraft flying in and out of the islands, but also by builders, structural engineers, drainage contractors, growers, farmers, insurance companies, legal firms, States Departments, the emergency services, shipping companies, public and private weather forecasting organisations across Europe and of course the general public.

As one of the longest records of continuous weather observation in Europe, our 171 year weather record is of great value to researchers and climate modellers and has been used by many research teams in recent years. As our understanding of the climate system grows, the record becomes more valuable with each passing year.

*Martin S Crozier  
Senior Met Officer  
Guernsey Met Office*

## METEOROLOGICAL OFFICE GUERNSEY AIRPORT

### COMMENT ON THE WEATHER OF 2013

One weather event stood out this year, the blizzard of 11<sup>th</sup> March, which caused several days of disruption across the Bailiwick with a high number of trees being felled. Much of 2012 had seen temperatures lower than normal and this continued through the first half of this year. Apart from January, each of the first six months was more than 1°C colder than the average. The rest of the year was generally warmer than normal, although only October and December beat the average by more than 1°C.

Due to the low temperatures during the first half of the year this was colder than average, although by only by 0.3°C. This was still the coldest year since 1993, apart from 2010. With the last four months of the year being wetter than usual, rainfall for the year was above average, but the total was well short of that from 2012. Sunshine for the first six months was nearly 100 hours below the average. The second half was somewhat sunnier than normal so that the year ended up only about 30 hours down on the average.

Wind speeds overall were slightly below average, although it was windy at times towards the end of the year. Other aspects of the weather saw the highest number of days with fog since 1997. There were double the average days of snow or sleet this year, most occurring in March rather than the winter.

To start the year we had near average temperatures and rainfall during January, but it was a very dull month with the lowest total since 2007 and the fourth lowest total on record. February was generally cold with the lowest mean temperature since 1996. It was drier than normal, although wetter than in 2012, while sunshine was slightly above average and the highest since 2009. The winter was slightly colder than normal, although it was only the coldest for two years, while sunshine was the lowest for two years. Rainfall, on the other hand, was the highest since 2007.

March was, arguably, the wintriest month of the year. The mean temperature was the lowest since 1970 and the fourth lowest on record. Rainfall was the highest and sunshine the lowest since 2001. The wettest day was the 11<sup>th</sup> with 33.6mm recorded from midnight to midnight, almost all of which fell as snow. Following the coldest March in over forty years we had the coldest April since 1986, although April 1989 had a similar temperature. Rainfall and sunshine were marginally below average, this being much drier than last April, while sunshine was the lowest since 2009. May proved to be the coldest since 1996, but it was drier and slightly sunnier than normal. Three cold spring months ensured that this was the coldest spring since 1986 and the fifth coldest on record. Due to the wet March spring rainfall was above average, while sunshine was the lowest for six years.

June was the fifth month in succession that was the coldest for many years. In this case it was the coldest since 1991. There was no warm weather with the highest temperature reached all month a poor 18.5°C. Less rainfall and more sunshine meant it was not as bad as June 2012, but this was a rather windy month with the highest mean speed since 1991. July brought a respite from all the poor weather that had gone before, with warm weather prevailing and plenty of sunshine; the most in July since 1990. Most of the month was dry, with no rain from the 4<sup>th</sup> until early hours of the 21<sup>st</sup>. From then until the end of the month there was heavy rain at times on several days to make this wetter than the average.

Temperatures for August were only slightly above average, but this still made this the warmest since 2004. For the first time in six years sunshine was above the long-term average, while rainfall was the lowest for four years. The decent weather in July and August compensated for the poor June so that overall this summer came out as the best since 2006. The mean temperature in 2009 and 2010 had been a touch higher than this summer, but this was sunnier than both and drier than 2010.

September proved to be a very dull month, following on from the sunny July and August, this despite a sunny start. The mean temperature was just above average as was the rainfall. Much of the month had been dry, but a wet day on the 28<sup>th</sup> boosted the total to above the norm. Fog was much more common this month than is usual for September, with the joint highest number of days with fog. To balance things out a little this was generally a quiet month. October saw temperatures above normal for most of the month, making this the warmest since 2006. Sunshine was also above average, being the sunniest since 2008. There was plentiful rainfall, although it was actually drier than October 2012. This was a windy month with the highest mean wind speed since 2004. There was only one gale, although this did give the highest gusts of the year.

In November the mean temperature dipped to just below average, while rainfall was marginally above average. The vast majority of this rain fell in the first 11 days as, thereafter, it was very dry. There was a distinct lack of sunshine which fell nearly 20 hours short of the average. The early part of the month was windy, with a couple of gales. Conditions were then generally much quieter so that the mean wind speed was below average. For the autumn overall it was milder and wetter than normal, while sunshine was well below average for a second successive year.

December had a dry and quite start, but from the 13<sup>th</sup> onwards everything change, so that figures for the month as a whole show a very wet month with the mean wind speed above average. Sunshine was, thankfully, above average and the mean temperature beat the normal by more than 1°C.



## January

A cold front cleared through early on the 1st, leaving in a showery airflow. Most of any showers had passed by daybreak, allowing sunny periods, although there was a hail shower in the evening. By this stage pressure was rising steadily as an anticyclone extended north-east towards Brittany. By midday on the 2<sup>nd</sup> the pressure was up 1028mb, but the tail-end of a warm front crossing the United Kingdom had brought in cloud, giving us rain and drizzle. High pressure then dominated the weather for the next week, but its position either to the south or south-east of us allowed a continuous feed of cloud in from the Atlantic. The cloud was thick enough at times to give rain or drizzle on several days, with patches of hill fog affecting the Airport on occasion. The feed of air from the south or south-west meant that temperatures were above average, especially overnight, while winds were light throughout.

Towards midnight on the 8<sup>th</sup> a cold front moved in from the north-west to bring rain and drizzle. It also became misty with fog thickening during the late morning of the 9<sup>th</sup> and persisting on into the afternoon. The cold front then moved north as a warm front, keeping the dull, damp & misty conditions going through the morning of the 10<sup>th</sup>. There was then some rain, before clearer weather arrived. The 11<sup>th</sup> was mostly cloudy with showers around the middle of the day. The mild weather still continued with the temperature still reaching 10°C. There were showers on the 12<sup>th</sup>, but we also had several hours of sunshine for a change.

With the transfer of low pressure south-east across France a cold north-east flow spread in over the Bailiwick on the 13<sup>th</sup>. The day was again mainly cloudy with heavy showers around dawn. A depression then moved south-east over the British Isles on the 14<sup>th</sup>, giving more rain. This was followed by a fresh north to north-west flow, with some blustery showers of rain or hail, but also sunny periods. On the 16<sup>th</sup> a small low slide south-east over Biscay with its fronts coming close enough to limit the amount of sunshine, but keeping it dry. The next day was also dry, cloudy and cold, but fronts were again trying to encroach from the west.

The 18<sup>th</sup> began dry and cold, but within three hours it was snowing. With the temperature dipping below freezing for a while, the snow settled with a covering of about 4cm. The snow then turned to rain before petering out. Over the next four days the weather stayed cloudy and cold. On the 19<sup>th</sup> and 20<sup>th</sup> there was just the odd light shower of sleet or snow. By the 21<sup>st</sup> fronts were pushing in from the west once more, bringing several hours of rain, with some sleet for a while in the early afternoon. These fronts then edged away into France, still leaving us in cold air. More fronts came in on the 22<sup>nd</sup> giving several more hours of rain. It became somewhat less cold, although temperatures remained below normal.

A little bit of sunshine on the 23<sup>rd</sup> boosted the temperature slightly, but the pressure stayed low with more Atlantic fronts trying to come in. Their progress was delayed for a couple more days by the development of a ridge of high pressure extending from southern Scandinavia to the Low Countries. This situation ensured that it stayed mainly dry and cold until the evening of the 25<sup>th</sup>. Once rain had started it soon became more intense, persisting into the early hours of the 26<sup>th</sup>. Following the rain the wind swung into the north-west bringing in milder air. Several hours of sunshine on the 26<sup>th</sup> and winds now blowing from the south-east allowed the temperature to climb to 10°C for the first time since the 11<sup>th</sup>.

The weather pattern had by now become much more changeable with an intense low pushing its fronts across Britain to bring more heavy rain early on the 27<sup>th</sup>. Once the rain had cleared we were in a strong westerly airflow. There was a good amount of sunshine, although later on showers moved in. By this stage a new depression was moving rapidly north-east across the Atlantic with its fronts spreading cloud in quickly on the 28<sup>th</sup>. Rain arrived that afternoon, with rain and drizzle by the evening. Very mild air then moved north-east over the Islands on the 29<sup>th</sup>, resulting in it becoming misty with hill fog for a while. The cold front went through early on the 30<sup>th</sup>, with its passage marked by a burst of heavy rain. The cloud eventually cleared to leave us with fine weather by late morning. The fine conditions continued until the early hours of the 31<sup>st</sup>, before more cloud and some rain came in.

## February

Fronts moving north-east through the Channel on the morning of the 1<sup>st</sup> gave mild conditions for a while, before the wind veered to the north bringing a showery airstream. There was some hail late on, but rising pressure helped to give mainly sunny weather for the 2<sup>nd</sup>. A warm front crossed the area on the morning of the 3<sup>rd</sup>, bringing some rain and drizzle. The cloud also lowered enough for some hill fog. A mild airflow covered us fog much of the 4<sup>th</sup>, with the temperature reaching its highest for the month, a rather low 10.4°C. Showery conditions followed the passage of a cold front that afternoon. Overnight the gradient steepened, resulting in the wind strengthening to give gales for a while on the morning of the 5<sup>th</sup>.

By the 6<sup>th</sup> a low was centred off coast of Norfolk with a cold northerly flow spreading south over the British Isles. Winds remained strong, but there were only a few light showers and sunny periods. There was little sunshine on the 7<sup>th</sup> and a new front coming in from the north-west brought rain that evening. Its passage was followed by northerly winds again for the 8<sup>th</sup>. A ridge of high pressure covered Biscay on the 9<sup>th</sup>, but its presence failed to prevent fronts from affecting our weather through the day, giving

rain and drizzle for much of the time. The pressure had fallen by the 10<sup>th</sup> with a depression moving south-east across Ireland. Its fronts brought us yet more rain, although by the end of the day the fronts had cleared.

Pressure was low over southern England and the Channel on the 11<sup>th</sup>. Despite this the start of the day was fine with sunny periods during the morning and with light winds the day was better than most at this time. Cloud increased that afternoon and it stayed cloudy the next day, while a light northerly wind kept it rather cold. The 13<sup>th</sup> saw more fronts push in from the Atlantic to bring rain and drizzle for the afternoon, with heavier rain for the early hours of the 14<sup>th</sup>. The passage of a cold front, at around dawn on the 14<sup>th</sup>, brought clearing skies to allow a mainly sunny and dry day, with the temperature a few degrees above normal.

A ridge of high pressure extending north from a high over Biscay gave us another dry day on the 15<sup>th</sup>, with a reasonable amount of sunshine. High pressure over Europe then produced a run of dry and mainly sunny days. Daytime temperatures were close to normal, but there a few chilly nights, leading to some ground frost. By the 21<sup>st</sup> cold air had spread in following the passage of a weak cold front. The 21<sup>st</sup> was another mostly sunny day, however, cloud came in that evening.

For the rest of the month the weather was dominated by high pressure over southern Scandinavia and low pressure over the Mediterranean. The resulting north-east flow across southern England and the Channel was cold and cloudy with showers of snow or snow pellets on each day from the 22<sup>nd</sup> to 25<sup>th</sup>. The last three days were slightly less cold, but it was still cloudy with a fresh to strong wind accentuating the chill.

## March

High pressure was centred to the north-west of Ireland at the start of the month, with low pressure over the western Mediterranean. This situation resulted in a cold and cloudy north-east flow for the Channel. These conditions continued for most of the following two days, although the cloud did break up during the afternoon of the 3<sup>rd</sup> to allow some sunshine. Clear air coming in from France gave a mainly sunny day on the 4<sup>th</sup>, with the temperature picking up a little.

By the 5<sup>th</sup> air was being brought to us from the Mediterranean, with a consequent rise in temperature. There were sunny periods on the morning of the 5<sup>th</sup>, continuing into the afternoon and this helped raise the temperature to 12.9°C, the highest reached since Christmas Eve. Fronts, though, had moved north over western France introducing very moist air. This led to drizzle and fog on the 6<sup>th</sup>, but it was mild with the temperature remaining at 10°C or above. With low pressure over, and to the west of, Biscay becoming dominant we had heavy rain at times and hill fog on the 7<sup>th</sup>. There was still rain around early on the 8<sup>th</sup>, however, this cleared to allow sunny periods and with light winds the temperature rose to 13.9°C, which turned out to be the highest for the month.

High pressure over Greenland had by this stage extended a ridge to Scandinavia. This situation began to re-introduce a cold easterly flow to Scotland. This cold air gradually edged south across the rest of the British Isles over the next couple of days. Mild air hung on here until the early hours of the 10<sup>th</sup>, but through the day the temperature fell. By the end of the day a major battleground had developed across the Channel Islands between the very cold air coming in from Scandinavia and the mild air which had been pushed south. The result was the blizzard that was with us for most of the 11<sup>th</sup>, which produced considerable disruption with a high number of trees being brought down. Temperatures were, not surprisingly, very low for March being below freezing for more than 24 hours from late morning on the 11<sup>th</sup> until the evening of the 12<sup>th</sup>. The minimum temperature of -1.5°C was the lowest in March since 1986.

Less cold air came in on the 13<sup>th</sup> and this was generally much better day with sunny periods. That night with clear skies and light winds there was a marked ground frost, but this was followed by mainly sunny weather for the 14<sup>th</sup>. Low pressure then began to reassert its influence with a depression over the Atlantic approaching western Scotland on the 15<sup>th</sup>. This brought our winds around to the south-west, with a consequent rise in temperature. The depression then slipped south to become slow moving over the British Isles. This gave us five days with sunny periods and temperatures only slightly below normal. There were, though, heavy showers at times adding to the rainfall from earlier in the month.

By the 20<sup>th</sup> the old low had filled and moved south to be positioned over the Channel, with cold air now across much of the United Kingdom again. The low then drifted away to the east, while a new set of fronts pushed in across the Bay of Biscay. These fronts came up against the cold air over Britain slowing their progress north-east and giving us rain for much of the 21<sup>st</sup>. This system gave even more rain over south-west England, with widespread flooding, while further north blizzards developed. Mild air followed the rain across us with dry conditions for a while, before more rain came through on the evening of the 22<sup>nd</sup>. All fronts had cleared through by the 23<sup>rd</sup> and the cloud then broke, but this soon led to fog forming. There were, though, sunny periods which pushed the temperature to a reasonable 11.5°C.

The cold air which had held its ground over most of the British Isles then edged back across us, bringing a marked drop in temperature once more. By the evening of the 24th it was down to 4°C. Over the next four days we had cloudy north-east winds holding the temperature in the range between 2°C and 5°C. It was dry for the most part, although an area of showers formed over the Channel on the night of the 26th. This gave a little snow with several hours of rain to follow. Alderney was affected by this with heavier bursts of rain and snow on the morning of the 27th.

Following a cloudy night, with a few light showers early on, the cloud broke up to allow us the sunniest day for two weeks on the 28th, however, this was another cold day. Cloud ahead of a small disturbance approaching Brittany meant that there were only a couple of hours of sunshine on the Good Friday. Rain eventually arrived that evening, but was only slight until the early hours of the 30th. As the rain became a little heavier it changed to sleet, with snow for a short time. This soon stopped to leave a cold and cloudy day, with light rain showers in the afternoon. Easter Sunday was cold once more, but the cloud broke during the morning, to leave us with sunshine for the rest of the day.

## April

At the start of the month pressure was high between Scotland and Norway, with a ridge to western France. This kept Atlantic fronts at bay with a fresh to strong and cold easterly winds blowing across the islands. The 1st and 2nd were mainly sunny and the sunshine continued on the morning of the 3rd. The flow then backed to the north-east to bring mainly cloudy conditions. For the latter part of the 3rd and on the 4th and 5th, the cloud was thick enough to give wintry showers of sleet or hail. On both the 4th and 5th the highest temperature recorded was a very cold 4°C.

With high pressure closer to us on the 6th, the cloud broke to allow a mainly sunny day, but it was still cold. That night, with the wind falling light and the sky clear, a hoar frost formed. We then had mainly sunny conditions through the morning, before cloud from a low near south-west Ireland spread in. Over the next week low pressure was the dominant feature of the weather for us. There was rain and drizzle on the 8th, but also some sunshine and slightly higher temperatures. Despite the pressure being at its lowest for the month on the 9th, we had a reasonable amount of sunshine which helped the temperature climb above 10°C for the first time since the 23rd March.

A new set of Atlantic fronts moved in from the south-west on the 10th, making it a cloudy day with rain from late morning. The rain was heavy at times during the afternoon, accompanied by fog. After damp and foggy conditions for a while on the 11th it brightened up, allowing the temperature to climb above average for the first time this month. Low pressure was moving north-east through southern England on the 12th, giving them frequent showers and showers formed over Brittany through the day. We, in contrast, had a mainly sunny day with this fine weather continuing into the early hours of the 13th.

A new very deep depression then developed over the central Atlantic; its central pressure being as low as 943mb. Fronts from this spread north-east across the area, leading to a cloudy day with outbreaks of rain and patches of fog. The weather was dry for the 14th and with south-east or southerly winds it became very mild with the temperature getting to 15°C. A cold front cleared through overnight, giving a little rain as it passed, followed by clearing skies by dawn on the 15th. Another low then swung north near to the west coast of Ireland, with its fronts bringing dull weather with rain or drizzle and occasional thick fog. Yet another low passed to the west of Ireland the next day, but this time it was fair enough away for us to escape the rain and fog. There was still a large amount of cloud around, but it was a bright day with the temperature reaching its highest for the month at 16.2°C.

For the 18th pressure was low near northern Scotland with showers or longer spells of rain for much of the British Isles. We escaped most of the showers, allowing us mainly sunny conditions, but it was noticeably cooler than the previous day. By this stage the pressure was rising as a ridge extended north over western Ireland. This situation led to a sunny, but rather cool day on the 19th with another to follow on the 20th. The pressure was at its highest on the 20th with the main centre over the southern part of the North Sea. This then moved off to the southern Baltic, but with a ridge still extending to the Channel. This allowed winds to remain light and with clear skies we had a slight ground frost. The morning of the 21st was sunny, however, cloud increased during the afternoon as a weak cold front approached from the west. There was little rain associated with and it became fair for a while once it had passed, but more fronts soon came in to bring more cloud.

The pressure stayed high from the 22nd to 25th, but weak fronts kept it mainly cloudy for the 22nd and 23rd, with just a little rain. Fog was a problem on the 24th, causing disruption to flying and there for thick fog for a while on the 25th. The fog cleared during the morning of the 25th, to allow several hours of warm sunshine, but the fog came in again that afternoon. A cold front went through in the early hours of the 26th, giving drizzle for a time, followed by clearing skies leading to sunny periods. There was more sunshine to come on the 27th, however, northerly winds meant that this was a cool day and a cool night followed with a slight ground frost.

A weakening frontal system moved south-east across the United Kingdom on the 28th, bringing us cloudy conditions after a sunny start to the day. The remnants of the frontal system gave rain early the next day, but once it had passed the cloud cleared away to give us a sunny day. The 30th was again mainly sunny if still rather cool.

## May

High pressure covered England and Wales on the 1st, with low pressure over France and weakening fronts crossing Scotland. This situation gave us a dry and reasonably sunny day, although with temperatures below average. The next two days were dry and sunny with fronts being held off by high pressure. The high pressure had drifted south to Biscay by the 4th, allowing fronts over the United Kingdom to move south. The pressure remained high, though, weakening the fronts so that while it was mainly cloudy, there was no rain.

A small high cell moved north-east across the area on the 5th ensuring us sunny periods with light winds. With the high moving away to the north-east for the early May Bank Holiday we had sunny periods once more, while the south-east wind brought in warm air off France. Fronts were moving north-east across Biscay on the 7th bringing increased cloud, but there was enough sunshine and with the wind still blowing off France it became warm. Rain arrived late that evening with some heavy rain around midnight.

For the 8th a depression was centred near to western Ireland with fronts crossing the United Kingdom. Despite the fronts we had little rain and the sun had come out by the evening. Temperatures, though, were disappointingly low following the rather warm weather of the previous two days. Liberation Day was bright and breezy, but rather cool again and by that evening it clouded over with some light rain.

Low pressure over, or close to the north of the British Isles, was in control of the weather for the next week or so. Initially it was mainly cloudy with some rain on the 10th and 12th, although the 11th was mostly dry. There was more sunshine for the 13th, but it was again rather cool and breezy. A developing low then moved in towards south-west England for the 14th, ensuring us a dull, cool and damp day. The rain was at it heaviest in the morning, before easing off for the afternoon. The low moved east along the south of England bringing strengthening winds here during the evening. For an hour or so the wind was gale force with a few gusts to storm force 10.

The pressure was at its lowest for the month on the 15th, but, apart from a few light showers early on, it was a mainly sunny day, if still rather cool. The main centre of low pressure then transferred south, leading to light winds on the 16th, before they became north-east, then northerly. We managed three more mainly sunny days, with just the odd shower, but temperatures continued to struggle to rise, with nights being cool.

On the 18th pressure was low over France with another small low approaching north-east England. Fronts from the French low had reached here by the 19th, with rain arriving around dawn. The whole day was damp and very cool with the temperature below 10°C for most of the day. For the next two days pressure was low over Europe and high over the Atlantic. This situation produced northerly winds for the Islands with fronts moving south in the flow. These ensured that it was cloudy, but with little rain, despite some long spells of rain being on the cards.

The last remnants of any fronts cleared away on the 22nd leading to sunshine for that afternoon and the temperature slightly higher than for the preceding two weeks. The 23rd was a mainly sunny day, but it became cool again with a strong north-west wind accentuating this. The 24th was similar for temperature and wind, but it was cloudy for the most part. This was another day where rain was expected, however, apart from a few light showers, this passed us by.

By the 25th high pressure began to extend north-east over the British Isles, while low pressure moved off to southern Europe. This change brought increased sunshine again, with the 26th having unbroken sunshine, but temperatures remained disappointingly low. Fronts from a deep depression south of Iceland pushed through most of Britain on the Spring Bank Holiday. Their effects were not felt here until the evening, allowing us a reasonable day with the temperature approaching the average. Rain arrived late on, becoming heavy at times after midnight, before dying out a couple of hours after daybreak on the 28th. This day was cooler once more with the sun only coming out towards noon.

Low pressure was yet again in control of the weather for much of Britain. This produced a large amount of cloud, but the amount of rain was small. The low filled gradually on the 30th with a ridge of high pressure edging in from the west. This change brought mainly sunny conditions for the 31st, with the temperature making it to the normal for a change.

## June

At the start of the month pressure was high to the south-west of Britain, with a weak cold front clearing the Islands. The pressure then rose across Britain as the high drifted north-east. This led to dry and mainly sunny weather, although temperatures were slightly below normal. As the centre of high pressure continued to transfer north-east across the British Isles a tightening pressure gradient developed on its southern flank, leading to strengthening winds for the Channel.

Following two days of unbroken sunshine on the 2nd and 3rd, cloud spread in from the north-east the next day, although it cleared later in the morning to leave a sunny, but cool, afternoon. There was more cloud for the 5th, with some low enough to give patches of fog, although this cleared in the early afternoon. The 6th was mainly sunny and somewhat warmer despite the wind being stronger. Thunderstorms developed over Brittany that afternoon, but dispersed in the evening. During the early part of the night cloud built slowly off the Brittany coast, drifting north towards us. Through the early hours of the 7th there was an intense thunderstorm, with the southern part of Guernsey receiving some torrential rainfall. The sun came out again during the day leading to a further rise in temperature.

The 8th was another dry day with plenty of sunshine, although the temperature fell back with winds at their strongest for the month. Cloud spread in early on the 9th, leading to it being dull until the evening, with the temperature a chilly and almost static 12°C.

On the 10th the weather pattern changed with the high over the British Isles declining to allow fronts to push in from the Atlantic. This meant that the 10th was a cloudy day with rain arriving late on. The next day saw rain or drizzle with fog patches before brighter conditions came along in the afternoon. A new depression moved north-east towards southern Ireland on the 12th, with its associated fronts bringing drizzle and rain through the day, accompanied by hill fog.

Bright and breezy conditions came through for the afternoon of the 13th following a damp morning. A ridge of high pressure crossed the area that night, before cloud ahead of the next set of fronts moved in. The 14th was dry until late in the day with outbreaks of rain continuing into the early hours of the 15th. This day was mainly sunny after the early cloud had cleared, but it was again breezy, with a rather steep pressure gradient between low pressure near Northern Ireland and high pressure over northern Spain.

From the 16th to 20th pressure was low through the Bay of Biscay and France, with higher pressure for the British Isles. For these five days fronts were never far away, ensuring that it was cloudy for much of the time. Despite all of this cloud, there was little rainfall. With air coming to us off the continent it became warmer, with temperatures at the highest for the month. The maximum temperature of 18.5°C on the 19th was the highest for June, but marks the first time since 1991 that we have not reached 20°C at some stage in June.

The low pressure over Biscay had moved away by the 21st, only to be replaced by fronts coming in from the west. This meant a cloudy day for us with drizzle, mist and occasional fog. There was more fog at times on the 22nd with further rain & drizzle, but also some sunshine in the afternoon. By the 23rd the depression responsible for this poor weather was centred off north-east Scotland, with strong winds for much of Britain. This morning was cloudy with mist or haze, before the cloud moved away to leave a sunny afternoon.

By the 24th the pressure had risen notably as a ridge of high pressure extended towards the Channel. The high became the dominant feature of the weather for the next few days, ensuring dry and mainly sunny weather. Light winds and clear skies for the nights of the 24th and 25th resulted in low temperatures for late June and daytime temperatures were still slightly below normal despite the sunshine. The pressure stayed high for the rest of the month, but this did not stop fronts from moving across the country to bring rain and drizzle for the early hours of the 28th. Fog accompanied the rain and drizzle, but during the day there were some sunny periods. Fog returned for the night of the 28th, clearing again for the morning of the 29th. The fog was back again that night, with thick fog for most of the morning on the 30th. The fog had lifted for the afternoon, although it remained cloudy and rather cool.

## July

A weak cold front crossed the area early on the 1st giving some drizzle and fog patches. The cloud was mostly gone by midday with sunny periods developing as a transient ridge of high pressure moved through. Despite the sunshine this was a cool start to the month. Fronts came in from the west on the 2nd, with cloud arriving soon. It was dry through the morning, although becoming misty at times. Overnight there was thick fog and drizzle which eased off during the morning of the 3rd. The sun came out for several hours in the afternoon, however, drizzle and fog returned later in the day. Light drizzle and fog caused problems on the morning of the 4th, with mist instead for the afternoon, before fog returned once more in the evening.

A developing anticyclone approached south-west England early on the 5th, with our fog finally clearing away to allow us sunny conditions for most of the day. With winds blowing in from the north-west it was, though, still rather cool. After a rather cool start on the 6th it became warmer, although coasts were affected by sea fog blowing onshore at times. Light north-east winds and unbroken sunshine helped the temperature to rise even further for the 7th with a maximum of 24.9°C, which proved to be the highest for the month. By the 8th pressure was high over Scotland and the North Sea and relatively low over Spain. This

situation brought stronger winds for us, with a consequent lowering of the temperature, although it was still above average for the 8th, 9th and 10th.

After six days of almost unbroken sunshine a weak cold front brought some cloud for the morning of the 11th. The north-east wind remained fresh to strong which accentuated the 3-4°C drop in temperature, from the preceding three days. There was cloud again for a while on the morning of the 12th, but this cleared more quickly than the day before. The wind eased off slightly as well however, the temperature was reluctant to rise.

For the 13th the wind was much lighter and, with plenty of sunshine, the temperature rose quickly to become very warm. Warmth then became the order of the day for the next week or so. Winds were light from the 14th to 17th and with unbroken sunshine the temperature reached 23°C or 24°C each day. The wind picked up slightly on the 18th, with the temperature similar at the Airport, but higher in sheltered areas. Stronger winds for the next couple of days saw a fall in temperature, although in shelter on the west of Guernsey the warmth persisted. There had been no measurable rain since the 3rd, but this drought was broken in the early hours of the 21st. A thunderstorm crossed the Island, with some heavy rain for a while. The 21st proved to be another mainly sunny day after the early cloud had cleared. It became very warm with the temperature at the Airport just short of the month's maximum at 24.7°C. Again sheltered parts of the west were as much as 3°C hotter.

With the wind veering to the south-west there was a marked drop in temperature on the 22nd, compared to the day before. We were also troubled by fog for several hours and managed less than five hours of sunshine for the first time since the 4th. Weak fronts crossed the area over the next 24 hours, with thunderstorms still affecting the near continent. The 23rd was a reasonably sunny day with the temperature still just above average. Southerly winds the next day made that slightly warmer again, although with less sunshine, then overnight there was rain for a while. There was also a period of thick fog before the sun came out.

By the 26th the Islands were under the influence of a weak ridge of high pressure lying between low pressure to the west of Biscay and thundery low pressure over France. This situation gave us mainly sunny weather with light winds and the temperature a touch above normal. The thundery low pressure then began to exert its influence, bringing increased cloud for the 27th. The rain stayed away that morning, but during the afternoon there were prolonged showers to give our wettest day of the month. A showery airflow covered the area the next day, so following a sunny start the cloud increased bringing a few showers. A very heavy shower passed over the Island that afternoon, with accompanying thunder and lightning. The heaviest rain affected middle and eastern parts, with the west receiving only about a third of rain compared to that measured at the Airport.

For the 29th low pressure was still the dominant force affecting the weather for the British Isles, but we escaped any showers, with a reasonable amount of sunshine. A small low then moved in towards south-west England on the 30th, with its fronts bringing us rain or drizzle, with mist and occasional hill fog. Early fog on the 31st was followed by brighter conditions by midday, with warm sunny periods for the afternoon.

## August

A very warm southerly airflow covered the area on the 1st, leading to the highest temperature of the year being recorded in the early afternoon. A veer of the wind towards the west pulled in cooler air off the Channel to halt any further rise in temperature. The approach of a weak cold front brought increased cloud overnight. The cloud broke during the morning of the 2nd, but then a heavy shower passed through in the afternoon, with more showers that evening. This time the showers were accompanied by some thunder and lightning. A transient ridge of high pressure gave us a mainly sunny day on the 3rd, but with temperatures only about normal.

A depression and its fronts moved north-east towards south-west England on the 4th. Through the day the fronts stayed west of us, allowing the sun to come through, to give a reasonably warm day. There was some rain overnight, which had moved through by the morning of the 5th, with the cloud then breaking. The close proximity of a small low gave rather windy conditions for a while in the afternoon and it became cloudy again, but stayed dry.

The 6th was a quiet and dry day, with sunny periods, but cloud increased overnight as a depression formed over France. Rain arrived around dawn on the 7th, continuing off and on into the afternoon. There was little sunshine, resulting in the temperature being held down. A small anticyclone affected the area the next day, allowing mainly sunny and rather warm conditions. It then clouded over late in the evening due to the approach of a weakening frontal system. This produced drizzle and some hill fog, before the cloud broke to give more sunshine for the 9th.

The 10th started clear before cloud spread in for a while, clearing away again that afternoon. A minor frontal system moved across the area that night and during the morning of the 11th. This gave drizzle and rain with some patches of hill fog, before the sun came out in the afternoon. Another weak front gave a little rain in the early hours of the 12th, but the sun came out during the morning and we ended the day with fine weather. A ridge of high pressure for the 13th allowed mainly sunny conditions with light winds.

The tail-end of a weak warm front brought cloud and a little rain for a while on the 14th, before sunny spells developed. It became mainly fair for the 15th, with plenty of warm sunshine and it stayed fair for the early part of the night. Fronts, which had been affecting Ireland and western England on the 15th, reached here the following morning. They were weak once more, so we

collected just a small amount of rain. The fronts were through by the evening to leave us with a sunny end to the day. The next set of fronts was soon on its way across Ireland, with cloud spreading in early on the 17th. There was, though, only slight rain for most of the day, although heavier rain later in the evening and drizzle and hill fog towards midnight.

The pressure began to rise on the 18th, with a developing anticyclone moving north-east over western Biscay. As this moved further north-east into Europe it kept any fronts well away from the Islands. There was at least 10 hours of sunshine each day from the 18th to the 22nd. Initially temperatures were only about normal, but a light to moderate easterly breeze made the 22nd warm. The only rain during this period fell in a very light shower towards midnight on the 21st.

By the 23rd the pressure had fallen, with the main high now over Scandinavia and fronts moving east across Ireland. We were still covered by very warm air, although there was more cloud around than on the previous five days. The highest temperature for the day of 24.0°C was the second highest for the month. Towards evening it became generally cloudy and much cooler, with a brief heavy shower. A fresh to strong north-west wind developed on the 24th, bringing in much lower temperatures, but there was, at least, a reasonable amount of sunshine. A set of fronts then came in from the north-west overnight, bringing a period of heavy rain during the early hours of the 25th. The cloud then broke to sunny periods, before more cloud moved in to give drizzle for a while.

The pressure started to rise again on the 26th as the area of low pressure moved away to the south-east. The Bank Holiday Monday proved to be mainly sunny and reasonably warm, with similar conditions persisting for the following three days. The remnants of an old front brought mainly cloudy weather for the 30th, with drizzle and mist for part of the day. A new developing anticyclone then came in from the Atlantic, to give a mainly sunny day to end the month.

## September

A large anticyclone was moving slowly east towards south-west England at the start of the month, bringing us a sunny day with light winds, although the temperature was a little below normal. The 2nd was much the same, with the anticyclone continuing its slow eastwards progress. By the morning of the 3rd high pressure covered England, the Low Countries and Germany, giving us another sunny day with very light winds. It also became warmer, but fog spread in during the evening. This fog persisted overnight and into the morning of the 4th. The fog lifted slowly, but did not clear completely until late in the morning. With the sun out and the wind remaining it became very warm that afternoon. The temperature reached 25.2°C at the Airport; the highest in September since 2000. Exposed coasts were notably cooler with the automatic station on Lihou having a maximum of just 18.4°C for the 4th.

There was fog again for several hours on the morning of the 5th, but this again had cleared by midday to leave us a warm and sunny afternoon. A front coming in from the west brought rain during the early hours of the 6th, before the sun came out once more. Despite the sunshine this was much cooler than the previous three days and it was even cooler on the 7th, even though we had almost 10hrs of sunshine. A trough of low pressure affected us for much of the morning of the 8th, leading to frequent showers, a couple of which were heavy. The mainly cloudy conditions held the temperature down, with 15°C only just being breached.

A small low moved east near to the south coast of England on the 9th giving another cloudy morning with rain and drizzle. A brighter afternoon followed with the temperature higher than for the previous three days. A passing ridge of high pressure resulted in sunny conditions for the 10th, but with north-west winds it was slightly cooler again. Fronts moving south-east across the British Isles brought mainly cloudy weather for the 11th with rain and drizzle later. The fronts remained close the next day, but a few hours of sunshine allowed it to become reasonably warm. The 12th was cloudy with rain or drizzle and fog for several hours in the morning. An approaching cold front brought a few hours of rain in the evening, before clearing through.

A transient ridge of high pressure gave dry and reasonably sunny weather for the 14th, but it became rather cool again. An Atlantic frontal system brought rain and drizzle for the afternoon of the 15th with heavy rain for awhile in the evening. The 16th was a brighter and breezier day with some showers, while the temperature failed to reach 15°C for the only time this month. A new depression then rain east through Ireland, Wales and England on the 17th, bringing a tightening pressure gradient to the Channel. This resulted in strong to near gale force winds. It took until the middle of the day on the 18th before all associated fronts had moved through, but we then had sunshine for that afternoon.

The unsettled weather pattern continued with more fronts on the 19th bringing rain and drizzle and some fog. A transient ridge followed for the 20th, which was consequently dry, although there were only a few hours of sunshine. The pressure was rising as an anticyclone moved north-east across Biscay. A warm front crossed the Islands during the early afternoon of the 21st. Behind this the air was very moist with fog arriving. This fog persisted for the rest of the day and through most of the night, causing the cancellation of all flights in for the evening of the 21st. There was further fog for a while on the morning of the 22nd before the sun came out for the afternoon. With the sun it became warm and a mild night followed, but low cloud and patches of fog returned for a while on the 23rd.

There was little cloud around on the 24th and with a south-east wind blowing it became very warm for late September. The cloud increased during the late afternoon, with a couple of light showers early in the night. There was a large amount of cloud around for the 25th and 26th, with showers on the 25th and some fog both days. Both also had, though, a few hours of

warm sunshine. The 27th was cloudy at first before sunny periods developed and it was warm again despite a fresh east wind blowing. Cloud then increased through the evening with distant thunder late on.

On the 28th a low was centred off north-west Spain, with thundery troughs moving north over western France and the Channel. The day was cloudy with showers or thunderstorms and a few very heavy bursts of rain. Following a warm night temperatures stayed well above normal through the rain. It remained cloudy on the 29th with mist or haze, but there was little rainfall. For the 30th there were a few more hours of warm sunshine, but also more fog for a time in the afternoon.

## October

At the start of the month pressure was high over Scandinavia and low to the west of Biscay. Fronts were moving north over Biscay, leading to a cloudy day here with rain in the evening and a brief thunderstorm. There were large enough gaps between fronts to allow sunny periods on the 2nd and, with a south-east to southerly wind, it became rather warm. Following showers on the 3rd the sun came out for long enough to help the temperature to reach 20°C; the mark of a warm October day.

By the 4th the low had filled and moved north, allowing a ridge of high pressure to extend into Biscay. Over the following couple of days the pressure rose further, bringing a run of dry days. It also became sunnier with daytime temperatures above average, although the temperature fell overnight. High pressure stayed in control of our weather through to the 10th, while frontal systems affected areas further north over the British Isles. One front did make its way slowly south-east across the Channel in the early part of the 9th to bring rain and drizzle. It became fair again, but with the temperature falling.

On the 10th the air was coming to us from polar regions, introducing much colder conditions. The highest temperature during the day was just 12.2°C, the lowest for the month. Low pressure then moved south over France, with associated fronts moving south-west across the area. This situation brought cloudy conditions for the 11th with rain or drizzle and heavy rain for a while that evening. Fronts had cleared away to the west for the 12th, leaving us with mainly dry weather and a decent amount of sunshine. More fronts came in from the north-east as a new depression drifted west towards East Anglia. This was a cloudy day for us with showery rain arriving in the evening.

We remained under the influence of low pressure over the United Kingdom on the 14th, ensuring mainly cloudy weather with further rain. The weather pattern then began to change again, with the old low filling and drifting off to the north-east. At the same time fronts started to come in from the south-west, hence the 15th was a cloudy day, although it was dry. Rain arrived during the early hours of the 16th, with some heavy rain and fog patches. By the end of the morning the sky was clear and the afternoon was sunny and reasonably warm.

A small high cell moved north-east over France on the 17th, allowing us some warm sunny periods. A frontal system then moved north through Biscay and western Britain. This gave us cloudier conditions with rain by the evening. Rain continued until midnight, with some more during the late morning of the 19th. Sunshine that afternoon meant temperatures were above average again. Troughs passing through on the morning of the 20th gave a few very heavy showers, but once again the sun came out in the afternoon.

A new set of fronts swung north over western Britain on the 21st bringing us a large amount of cloud at times, with some showers. There were, though, warm spells of sunshine as well. The pressure below 1000mb on the 22nd with fronts crossing the area to give us several hours of rain. Once these had cleared through, the sun was out once more and with a south to south-east breeze it became rather warm. There were, though, further heavy showers that evening, some accompanied by thunder. A transient shallow ridge of high pressure allowed mainly sunny conditions for the 23rd after early cloud had moved away.

Fronts moved slowly north-east across Biscay on the 24th, bringing cloud from early on, but with rain not arriving until late in the evening. The rain became heavy at times towards midnight, before dying out in the early hours of the 25th. There were spells of sunshine during the day, keeping temperatures above average. The unsettled nature of the weather meant rain again later on the 26th, following sunny spells that day. With low pressure across northern Britain and a deepening depression heading towards south-west England, the 27th was a windy day with showers and a few spells of sunshine. Overnight as the warm front of the depression crossed the Channel it became very mild, with the wind increasing to near gale force. Following the passage of the cold front the wind strengthened further to a full gale with gusts to storm force. This turned out to be the strongest wind experienced in October since 1987. There have, though, been much stronger winds at other times of the year since the October 1987 storm.

The 28th, 29th and 30th all had long periods of sunshine, but with showers as well and it became noticeably cooler than the previous 12 days. To end the month we had our only sunless day of the month, with rain early and late.

## November

Pressure was low to the north of Scotland and high across Spain and southern France at the start of the month. Fronts affected southern England and the Channel Islands through the day, ensuring cloudy and damp weather for us, with patches of hill fog. It was a mild day with the highest temperature being reached during the early part of the night. Fronts cleared through in



the early hours of the 2nd, followed by less mild showery conditions. There was, though some sunshine during the day. A new low had moved into western Ireland by midday bringing strengthening winds. The 3rd was a windy day with blustery showers, before a new depression swept in towards south-west England. This brought heavy rain for a while, with the wind maintaining its strength, getting to gale force for a time in the early hours of the 4th. Conditions improved that morning with sunny periods followed by unbroken sunshine for the afternoon.

The unsettled weather continued with further fronts crossing the area on the 5th to bring more rain at times. There was no improvement on the 6th which was windy throughout and damp for much of the time. It was, however, a mild day. A cold front passed through in the early hours of the 7th. The front then stayed close to the Islands through the day, ensuring no sunshine and further outbreaks of rain or drizzle. There was only a brief glimpse of the sun on the 8th, with troughs bringing spells of showery rain. The 9th was a showery day, but with periods of sunshine. That night a small low moved east through the Bailiwick, bringing heavy rain with gales affecting us for a while. Unusually Alderney did not catch this gale.

By dawn on the 10th there was only scattered cloud, which led to a mainly sunny morning. The cloud increased that afternoon ahead of an approaching warm front. Heavy rain early on the 11th was followed by drizzle and rain with mild and very moist air resulting extensive low cloud. Much of the time the cloud was low enough to give fog at the Airport, causing disruption to flights. The mild and damp conditions, with hill fog, continued into the morning of the 12th, clearing an hour or so after dawn as the wind veered to the north-west. By this time the pressure had risen markedly as an intensifying anticyclone moved north-east towards Ireland.

With high pressure now coming to dominate the general situation we managed three mainly sunny days in succession. It did, though, become colder with the temperature on the 15th not getting above 10°C for the first time this autumn. Cloud spread south across the area on the 16th, allowing us less than one hour of sunshine. The remnants of an old front kept it cloudy on the 17th, with the cloud thick enough to give rain or drizzle at times. The pressure had fallen by the 18th, with a cold front moving south-east across the British Isles to reach us that evening to give some more rain and drizzle.

By the 19th a cold northerly flow had spread south to give us a day of sunny periods and showers. Some of these were accompanied by hail. The highest temperature reached during the daytime was just 7.3°C, the lowest for the month. A new depression moved south-east over the North Sea on the 20th. The associated fronts brought us some showery rain, followed by squally showers which saw gusts to storm force. It was breezy and cold again on the 21st, but with limited rainfall. Over the next couple of days the pressure rose as a new anticyclone built to the west of Ireland. This gave dry weather with sunny periods. Cloud in the north to north-east airflow gradually increased, so that by the 24th there was almost complete cover of cloud, ensuring two sunless days.

By the 26th the anticyclone had built to a central pressure of 1044mb, with our pressure peaking at 1040.5mb. This is the second highest pressure reading for November at the Airport. The sheet of cloud present for the previous two days did edge away for a time, to give a couple of hours of sunshine, but it returned that evening. The pressure remained high for the following two days as well, however, this did not stop the tail-end of a warm front from giving rain and drizzle on the 27th and 28th. The 29th was cloudy as well, with a little drizzle early on and a slight shower in the evening as a weak cold front passed through. The 30th began fair with some sunshine in the morning, but the cloud increased yet again, although it stayed dry.

Both mean temperature and rainfall were very close to the average. The first 12 days of the month were generally mild, while the rest of it was mostly colder than normal. After the 11th just 8.2mm of rain were measured; exceptionally low for this time of year. Sunshine was the lowest for five years, falling nearly 20 hours short of the average. The quieter conditions experienced much of the time after the 9th meant that the mean wind speed was slightly below average, although this was the windiest for three years. Fog is usually only a minor problem for us at this time of year and this one was, on the whole, much the same; the 11th being the exception.

## December

At the start of the month a large anticyclone was centred to the south-west of Ireland. This then drifted across the British Isles and the North Sea reaching Europe by the 3rd. A new anticyclone then built over the Atlantic, moving east towards the western approaches to the Channel. Initially on the 1st we had fair conditions, with some morning sunshine, before it clouded over as the remnants of a weak front passed through. The next three days were cloudy, even with some rain on the 4th, despite the pressure being high.

On the night of the 4th a deepening depression moved east to the north of Scotland, bringing severe gales there, followed by a storm surge down the North Sea. With high pressure close to us we had sunny periods and just a moderate to fresh breeze. As the high edged closer it became quieter again, although we had some more rain later on the 5th. This had gone for the 6th, leaving us with a mainly sunny day. Cloud increased that evening, with a few showers overnight.

The high continued to drift east, moving into France on the 7th. Over the next three days pressure remained high over Europe, but it was falling to the west and north of the British Isles. This situation gave us a run of dry days and, after a cloudy day on the 7th, four reasonably sunny days. On the 9th, indeed, there was unbroken sunshine. Much of Britain had, at this stage, become very mild, although for us temperatures were near normal.

The pressure was still high on the morning of the 12th, but it fell during the afternoon as fronts moved in from the west. These fronts continued across the Islands on the 13th, to give our wettest day in more than a month. This situation did, though, bring in mild air, but also a strengthening breeze. By the 14th the pressure had risen again, but this was just a passing phase as a new low headed north-east to west of Britain. Rain arrived overnight continuing on into the 15th. Fronts lay just to the north of us for much of the 15th, leading to a dull and damp day, but with temperatures at their highest for the month. As these fronts moved slowly south-east through us on the 16th we had a very wet day.

A transient ridge of high pressure gave light winds on the 17th, but the fronts were still close enough to give rain or drizzle for much of the day. A new Atlantic depression then headed north-east towards Iceland with its fronts affecting the area the following day. It became wet again during the afternoon of the 18th, with the southerly wind rising to gale force during that evening, causing disruption to flying for a while. A showery airflow covered the Channel for the next couple of days, allowing sunny periods, but with heavy showers on the 19th.

Cloud from the next Atlantic weather system had arrived by the evening of the 20th with rain coming along early on the 21st. Most of the 21st was wet with fog patches accompanying the rain and drizzle. It was, though, another very mild day. The 22nd was a drier day, although with some showers and sunny spells. A developing depression passed over Newfoundland early on the 23rd. As it moved north-east across the Atlantic it deepened considerably, with its fronts bringing us rain by lunchtime. The rain continued for the rest of the day and overnight, along with strengthening winds, which were gale force southerlies at times, with gusts to storm force. The depression was still deepening by Christmas Eve, becoming one of the deepest lows to pass close to the British Isles in more than 100 years. Stornoway, in the Outer Hebrides, recorded a pressure of 936.8mb which is lower than anything in the British Isles since 1886.

The pressure stayed very low on Christmas Day with heavy showers early on giving way to sunny spells, although still with a few showers. Boxing Day was mainly fair, with sunshine into the afternoon before cloud ahead of the next warm front spread in. Rain arrived during the evening with rain, drizzle and mist early on the 27th. Along with these conditions it became very mild for a time overnight, with the temperature then falling back slowly during the day.

The 28th was a showery day, with the heaviest showers in the early afternoon, but there were also sunny periods. A transient ridge of high pressure crossed the area on the 29th, leading to sunshine well into the afternoon and no rain during daylight hours. Fronts again affected the British Isles on the 30th, with a small low moving rapidly north-east through the Irish Sea. We had rain for a while, with strong to gale force winds, but it then became sunny in the afternoon. Yet more fronts came in for the 31st with heavy rain at times and just a brief burst of sunshine.

## ANNUAL WEATHER SUMMARY

MONTH	MEAN AIR TEMPERATURE °C		RAINFALL mm		SUNSHINE hrs	
	2013	DIFFERENCE FROM AVERAGE	2013	PERCENTAGE OF AVERAGE	2013	PERCENTAGE OF AVERAGE
JAN	6.8	-0.2	94.3	101.9	34.3	56.2
FEB	5.4	-1.1	49.8	70.9	90.0	104.9
MAR	5.6	-2.2	104.3	155.7	88.4	69.3
APR	7.9	-1.3	47.9	90.2	188.6	96.9
MAY	10.7	-1.3	32.7	64.2	240.0	102.3
JUN	13.3	-1.2	39.1	85.9	211.0	85.6
JUL	17.1	+0.6	50.4	119.7	312.0	124.5
AUG	17.2	+0.3	28.5	59.7	264.2	114.8
SEP	15.7	+0.3	60.3	104.9	145.0	80.5
OCT	14.3	+1.3	122.6	129.1	129.3	110.4
NOV	9.8	-0.1	106.1	101.7	59.7	76.7
DEC	8.9	+1.2	164.1	145.3	69.5	119.4
YEAR	11.1	-0.3	900.1	107.3	1832.0	98.3

\* NEW RECORD

### SUNSHINE

MONTH	SUNSHINE (hours)						SUNNIEST DAY		% OF POSSIBLE SUN		SUNLESS DAYS	
	2013	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	2013	DATE	2011	AVERAGE 1981-2010	2013	AVERAGE 1981-2010
JAN	34.3	61.0	112.8	1998	26.0	1966	6.1	30th	12.7	22.7	16	10.1
FEB	90.0	85.6	143.9	2008	36.1	1976	9.7	18th	30.6	29.1	9	6.3
MAR	88.4	127.6	214.8	2009	67.4	1964	10.0	14th	24.0	34.7	10	5.5
APR	188.6	194.7	280.4	1984	122.2	1981	13.2	29th	46.2	47.7	5	2.5
MAY	240.0	234.5	336.4	1989	136.9	1981	14.4	26th	50.8	49.6	1	1.8
JUN	211.0	246.6	355.3	1975	147.8	1977	15.0	2nd	43.8	51.2	1	1.9
JUL	312.0	250.7	335.9	1959	167.7	1972	14.7	8,17	64.4	51.7	2	1.4
AUG	264.2	230.1	323.0	1955	139.2	1992	14.0	1st	59.7	52.0	0	1.2
SEP	145.0	180.1	266.5	1959	104.5	1956	11.7	2nd	38.5	47.8	3	2.3
OCT	129.3	117.1	176.4	1971	72.6	1968	9.9	7th	39.0	35.3	1	4.6
NOV	59.7	77.8	123.6	2006	38.9	1981	7.7	15th	22.0	28.7	9	6.9
DEC	69.5	58.2	108.9	2001	26.6	1966	7.6	9th	27.2	22.8	9	11.0
YEAR	1832.0	1864.0	2262.8	1959	1532.5	1981	15.0	02-Jun	41.1	41.8	66	56.8

### ATMOSPHERE PRESSURE (Millibars) AT MEAN SEA LEVEL

MONTH	MEAN PRESSURE						EXTREME PRESSURE					
	2013	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	RECORD HIGHEST	DATE & TIME G.M.T.	RECORD LOWEST	DATE & TIME G.M.T.	RECORD LOWEST	DATE & TIME G.M.T.
JAN	1014.8	1017.9	1030.5	1992	1001.1	1948	1045.9	30/1989	0945	966.6	20/1965	1220
FEB	1018.2	1018.0	1032.1	1959	1003.5	1966	1047.5	7/1964	1050	952.5	25/1989	1050
MAR	1006.7	1017.0	1029.9	1953	1003.0	1947	1047.7	3/1990	0930	969.6	13/1951	1630
APR	1016.0	1015.1	1025.1	1954	1002.6	1998	1040.2	10/1947	0800	979.5	16/1998	1620
MAY	1014.9	1016.0	1025.3	1991	1007.6	1983	1036.1	22/1991	0900	981.3	5/2004	2350
JUN	1020.0	1018.0	1024.5	1962	1009.5	1997	1037.5	14/1959	0850	988.9	9/1954	1500
JUL	1020.7	1017.7	1023.5	1969	1013.9	1988	1034.5	12/1969	1150	986.6	3/1988	0845
AUG	1019.5	1017.3	1022.0	1981	1011.9	1963	1036.1	12/1949	0930	982.3	9/1948	0000
SEP	1017.3	1017.2	1024.2	1977	1009.9	1999	1037.3	22/1947	0700	974.7	13/1993	0630
OCT	1012.9	1014.8	1024.5	1971	1003.9	1960	1040.0	26/1969	2200	959.5	16/1987	0200
NOV	1019.9	1015.3	1026.2	1978	1001.5	2000	1041.9	2/2001	0850	963.2	9/2011	0300
DEC	1017.8	1016.4	1029.5	1991	1000.6	1978	1046.0	25/1991	0950	964.2	8/1954	1450
YEAR	1016.5	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)	
	2013	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	2013	DATE	2013	AVERAGE 1981-2010	2013	AVERAGE 1981-2010
JAN	94.3	92.5	210.0	2001	15.4	1992	18.9	25th	21	19.3	17	14.6
FEB	49.8	70.2	182.8	1978	4.8	1965	9.7	13th	13	15.7	10	11.3
MAR	104.3	67.0	179.6	2001	2.7	1961	20.9	10th	17	15.9	12	11.5
APR	47.9	53.1	130.4	1966	2.9	1980	12.8	10th	14	13.2	9	9.7
MAY	32.7	50.9	128.7	1994	4.1	1989	9.6	27th	12	11.9	8	8.5
JUN	39.1	45.5	129.7	1986	0.6	1976	14.8	6th	12	10.4	8	7.1
JUL	50.4	42.1	120.2	1960	3.9	1999	17.9	27th	9	11.0	7	7.5
AUG	28.5	47.7	122.0	1951	3.8	1955	9.1	24th	11	10.6	7	7.6
SEP	60.3	57.5	194.5	1952	6.9	1997	23.7	28th	15	12.4	9	9.0
OCT	122.6	95.0	233.9	1960	3.4	1978	17.0	27th	22	17.3	20	13.3
NOV	106.1	104.3	234.5	2009	16.1	1978	18.8	10th	20	18.8	13	15.0
DEC	164.1	112.9	249.6	1999	28.1	1953	33.0	23rd	22	18.6	18	15.5
YEAR	900.1	838.7	1317.0	1960	531.3	1989	33.0	23-Dec	188	175.0	138	130.5

\* NEW RECORD

**TEMPERATURE °C**

MONTH	MEAN MAXIMUM		HIGHEST MAXIMUM				MEAN MINIMUM		LOWEST MINIMUM			
	2013	AVERAGE 1981-2010	2013	DATE	RECORD HIGHEST	DATE	2013	AVERAGE 1981-2010	2013	DATE	RECORD LOWEST	DATE
JAN	8.3	8.7	12.3	30th	13.3	4/48,9/07	5.2	5.0	-0.5	18th	-7.8	20/1963
FEB	7.1	8.4	10.4	4th	15.0	29/1948	3.7	4.6	0.2	23rd	-7.2	21/48,7/91
MAR	7.6	10.0	13.9	8th	19.4	29/1965	3.5	5.6	-1.5	12th	-2.2	10,11/1958
APR	10.2	11.8	16.2	17th	24.3	16/2003	5.6	6.6	0.1	7th	-1.4	11/1986
MAY	13.4	14.9	20.4	7th	25.9	30/2003	7.9	9.2	5.6	16th	0.1	2/1979
JUN	15.8	17.5	18.5	19th	30.8	26/1976	10.9	11.5	7.9	10th	5.4	1/1975
JUL	20.4	19.5	24.9	14th	31.7	1/1952	13.7	13.6	10.1	6th	8.3	8/1954
AUG	20.1	19.8	26.0	1st	34.3	9/2003	14.3	14.1	12.3	21st	9.2	28/1986
SEP	18.3	18.0	25.2	4th	30.6	2/1961	13.1	12.9	10.5	8,15,17	5.8	28/1974
OCT	16.2	15.1	20.2	3rd	23.6	1/2011	12.4	10.8	8.8	29th	3.5	28/2003
NOV	11.5	11.8	15.4	1,2	16.8	1/'99,8/'05	8.1	8.1	3.9	19th	-0.8	28/2010
DEC	10.6	9.5	12.6	15th	15.6	6/1953	7.1	6.0	4.6	25th	-3.8	24/1963
YEAR	13.3	13.8	26.0	01-Aug	34.3	09/08/03	8.8	9.0	-1.5	12-Mar	-7.8	20/01/63

MONTH	MEAN DAILY AIR TEMPERATURE						MEAN DAILY RANGE					
	2013	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	2013	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR
JAN	6.8	6.9	9.0	2007	1.5	1963	3.1	3.7	4.7	1984	3.0	2005
FEB	5.4	6.5	9.0	1990	1.5	1986	3.4	3.8	4.7	2008	3.0	1986
MAR	5.6	7.8	10.3	1957	4.4	1962	4.1	4.4	6.4	1953	3.7	1964,81,88
APR	7.9	9.2	12.0	2011	6.4	1986	4.6	5.0	7.1	2011	3.7	1994
MAY	10.7	12.1	13.9	1989	9.9	1984	5.5	5.7	7.3	1989	4.6	1981
JUN	13.3	14.5	16.7	1976	11.3	1972	4.9	5.8	8.3	1976	4.1	1977
JUL	17.1	16.6	19.4	1983	13.8	1954	6.7	6.0	7.9	1983	4.4	1954
AUG	17.2	17.0	19.3	2003	14.3	1956	5.8	5.8	7.3	1955	4.3	1958
SEP	15.7	15.5	17.5	1949	12.8	1986	5.2	5.0	6.1	1961	3.6	1967
OCT	14.3	13.0	15.2	2001	9.6	1974	3.8	4.1	5.1	1947	3.5	1968
NOV	9.8	10.0	12.0	1994,2011	7.7	1993	3.4	3.7	4.9	1969	2.8	1994
DEC	8.9	7.7	10.1	1953	4.4	2010	3.5	3.6	4.5	1968	2.8	1987
YEAR	11.1	11.4	12.1	1989/03,'06	9.6	1963	4.5	4.7	5.2	1949,89,90	4.3	1977

MONTH	LOWEST GRASS MINIMUM TEMPERATURE				DAYS WITH AIR FROST				DAYS WITH GRASS MINIMUM BELOW 0°C			
	2013	DATE	RECORD LOWEST	DATE	2013	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	2013	AVERAGE 1981-2010	RECORD HIGHEST	YEAR
JAN	-3.3	21st	-10.0	29/1947	1	1.6	16	1963	8	7.1	20	1985
FEB	-4.4	19th	-11.1	12/1978	0	1.9	18	1986	10	8.5	24	1956
MAR	-5.4	14th	-9.4	3/1965	2	0.3	4	1947	10	6.8	18	1955
APR	-4.6	7th	-7.0	5/1990	0	0.0	1	1978,86	7	4.7	10	1984
MAY	0.7	6th	-5.6	5/1979	0	0.0	--		0	1.5	9	1979
JUN	4.3	26th	-3.0	14/1987	0	0.0	--		0	0.3	3	1987,89
JUL	4.8	6th	1.0	01/1996	0	0.0	--		0	0.0	--	
AUG	7.8	10th	0.8	11/1981	0	0.0	--		0	0.0	--	
SEP	4.9	8th,15th	-1.0	23/1979	0	0.0	--		0	0.1	1	1979,86,87
OCT	4.5	15th	-4.0	30/1983	0	0.0	--		0	1.0	6	1992
NOV	1.2	20th	-5.6	29/1987	0	0.1	2	2010	0	3.3	9	1988
DEC	-1.7	5th	-8.9	29/1964,27/1995	0	0.5	5	1970	3	6.2	13	2010
YEAR	-5.4	14-Mar	-11.1	12/02/1978	3	4.5	31	1963	38	39.4	62	1985

\* NEW RECORD

**NUMBER OF DAYS WITH**

MONTH	FOG					THUNDER				
	2013	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	2013	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	5	6.6	15	1979	0	1969	0	0.6	3	1957,89
MAR	5	8.5	16	1960,94	0	1968,73	0	0.5	4	1958,67,82,87,95
APR	10	6.7	16	1963	2	1976,90	0	0.8	4	1981,95
MAY	5	7.7	19	1964	2	1988	0	1.1	4	1950,71
JUN	11	9.3	18	1965	1	1975	1	1.4	6	1982
JUL	13	10.0	20	1972,78	3	2008	2	1.4	5	1982,94
AUG	10	9.2	21	1997	2	1976	0	1.2	5	1974
SEP	15 *	5.4	15	1987	0	1952,53,72	2	0.8	10	1976
OCT	3	4.1	17	1986	0	-	2	1.3	5	1964
NOV	4	3.3	14	1992	0	-	0	0.9	4	1969
DEC	6	4.5	11	1995	0	1947,64,75	1	1.0	4	1976,93
YEAR	94	81.7	115	1994	52	2008	8	11.6	21	1982,95

MONTH	SNOW OR SLEET				HAIL					
	2013	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	2013	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR
JAN	4	2.8	12	1963,85	3	5.1	13	1984,85	0	1955,64,70,92,93
FEB	5	4.0	18	1956	6	4.8	13	1988, 2010	0	-
MAR	10 *	1.3	10	1962,70	5	3.9	10	2008	0	-
APR	3	0.6	4	1970	3	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	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	-	-	1	1.6	7	1992	0	-
NOV	0	0.5	6	2010	6	3.8	11	2000	0	1948,55,83,94,95
DEC	0	1.7	10	2010	7	4.7	13	2009	0	1964,68,75
YEAR	22	11.0	33	2010	32	27.7	50	1986	10	1964

MONTH	RAIN DAYS(≥0.2mm)				WET DAYS(≥1.0mm)					
	2013	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	2013	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR
JAN	21	31	1948	4	1992	17	28	1948	3	1992
FEB	13	26	1970,95	2	1959	10	23	1951	1	1965
MAR	17	27	1979	3	1961	12	21	1947	1	1961
APR	14	21	1983	2	2011	9	18	1966	1	1976,'80,'11
MAY	12	26	1981	2	1989	8	19	1981	1	1989
JUN	12	21	1991	3	1975,76	8	14	1987,91	0	1976
JUL	9	20	1960,07	3	1999	7	15	1950,07	1	1999
AUG	11	21	1963	1	1976	7	18	1992	1	1955,76
SEP	15	23	1950,52	4	1959,97	9	21	1950	2	1959,97
OCT	22	28	1981	5	1965,78	20	24	1981	1	1978
NOV	20	28	2009	8	1978	13	26	2009	5	1988
DEC	22	28	1993	8	1991	18	26	1959	5	1991
YEAR	188	212	1960	138	1971	138	175	1960	96	1953

**WIND SPEED**

MONTH	MEAN SPEED (KNOTS)		NUMBER OF DAYS OF GALES				HIGHEST GUST (KNOTS)			
	2013	AVERAGE 1981-2010	2013	AVERAGE 1981-2010	RECORD HIGHEST	YEAR	2013	DATE	RECORD HIGHEST	DATE
<b>JAN</b>	11.2	14.2	0	2.1	11	1984	44	15th	77	25/1990
<b>FEB</b>	12.7	13.1	1	1.1	10	1990	56	5th	69	9/1988,11/1990
<b>MAR</b>	11.9	12.3	0	0.6	6	1980	47	11th	70	10/1982
<b>APR</b>	11.7	11.4	0	0.2	2	1964,72,83,94	41	11th	60	9/1994
<b>MAY</b>	11.3	10.9	1	0.2	2	2007	54	14th	58	19/1996
<b>JUN</b>	12.2	10.1	0	0.0	0	-	40	8th	51	16/1965
<b>JUL</b>	10.2	10.2	0	0.0	1	1956,69	38	20th	63	31/1983
<b>AUG</b>	9.0	9.7	0	0.0	1	1956,61,86	32	5th	52	26/1986
<b>SEP</b>	9.4	10.8	0	0.1	2	1953,65,74,83	43	17th	60	29/1962
<b>OCT</b>	12.8	12.4	1	0.9	4	1967,76	63	28th	81	16/1987
<b>NOV</b>	12.1	13.0	2	0.8	8	1977	52	4th,9th,20th	73	23/1984
<b>DEC</b>	14.0	13.7	2	1.8	9	1979	55	23rd	83	15/1979
<b>YEAR</b>	11.4	11.8	7	7.8	20	1972	63	28-Oct	83	15/12/1979

PERCENTAGE FREQUENCIES OF HOURLY MEAN WIND SPEED AND DIRECTION

2013

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	-	-	-	-	-	-	-	-	-	-	-	-	6.183
	4-10	knots	1.7	2.0	2.4	3.4	3.0	5.8	6.5	6.9	3.9	3.9	3.0	1.6	44.0
	11-21	knots	0.7	0.9	1.1	0.9	1.1	7.5	4.2	7.4	6.2	6.2	6.0	2.4	44.6
	22-33	knots	-	-	-	-	-	0.1	-	2.3	0.4	1.3	0.5	0.5	5.2
	DIRECTION ONLY		2.4	3.0	3.5	4.3	4.0	13.4	10.6	16.5	10.5	11.4	9.5	4.6	-
FEB	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	3.0
	4-10	knots	4.9	3.0	0.3	5.4	5.8	2.5	1.5	0.9	0.7	1.6	3.1	2.8	32.6
	11-21	knots	5.5	8.9	9.4	8.3	2.7	1.9	0.6	2.1	1.8	5.5	5.4	6.5	58.6
	22-33	knots	-	-	0.1	-	-	-	-	-	0.1	2.8	1.9	0.7	5.8
	DIRECTION ONLY		10.4	11.9	9.8	13.7	8.5	4.5	2.1	3.0	2.7	10.0	10.4	10.1	-
MAR	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	3.9
	4-10	knots	2.7	2.3	4.8	5.0	9.1	4.3	1.9	4.0	3.0	1.1	0.5	1.7	40.5
	11-21	knots	0.7	5.5	17.6	9.8	5.8	0.8	2.3	5.2	0.5	0.4	0.8	1.2	50.7
	22-33	knots	-	0.9	3.8	-	-	-	0.1	0.1	-	-	-	-	5.0
	DIRECTION ONLY		3.4	8.7	26.2	14.8	14.9	5.1	4.3	9.4	3.5	1.5	1.3	3.0	-
APR	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	3.5
	4-10	knots	2.2	2.2	1.9	1.9	3.8	4.0	4.2	7.8	3.8	3.6	1.4	2.8	39.6
	11-21	knots	1.5	12.1	6.8	1.8	1.9	3.1	3.6	6.5	7.2	5.0	3.9	2.5	56.0
	22-33	knots	-	-	0.4	-	-	-	-	-	0.6	-	-	-	1.0
	DIRECTION ONLY		3.8	14.3	9.2	3.8	5.7	7.1	7.8	14.3	11.5	8.6	5.3	5.3	-
MAY	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	2.0
	4-10	knots	3.4	4.6	1.9	1.3	2.4	1.6	1.7	3.6	1.5	4.4	7.3	13.2	46.9
	11-21	knots	2.2	3.5	1.6	0.3	0.1	0.8	0.5	3.8	14.8	8.9	7.7	5.5	49.6
	22-33	knots	-	-	-	-	-	-	-	0.3	1.1	-	0.1	-	1.5
	DIRECTION ONLY		5.5	8.1	3.5	1.6	2.6	2.4	2.3	7.7	17.3	13.3	15.1	18.7	-
JUN	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	2.2
	4-10	knots	2.5	2.6	2.5	3.1	2.6	4.0	4.0	2.5	1.8	1.8	3.5	6.9	37.9
	11-21	knots	0.8	3.9	14.7	1.0	0.3	0.8	1.4	4.6	11.1	11.0	5.3	0.8	55.7
	22-33	knots	-	-	2.6	-	-	-	-	-	0.8	0.7	-	-	4.2
	DIRECTION ONLY		3.3	6.5	19.9	4.0	2.9	4.9	5.4	7.1	13.8	13.5	8.8	7.8	-
JUL	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	7.5
	4-10	knots	5.4	6.5	5.2	0.9	0.8	2.4	3.5	4.7	4.0	4.7	3.8	7.5	49.5
	11-21	knots	-	6.3	19.0	0.1	0.4	0.8	0.9	3.9	6.3	3.9	-	-	41.7
	22-33	knots	-	-	1.3	-	-	-	-	-	-	-	-	-	1.3
	DIRECTION ONLY		5.4	12.8	25.5	1.1	1.2	3.2	4.4	8.6	10.3	8.6	3.8	7.5	-
AUG	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	8.3
	4-10	knots	7.3	6.7	3.9	3.9	1.7	4.3	4.7	5.8	11.8	7.3	11.3	6.0	74.7
	11-21	knots	-	-	-	0.1	0.1	0.5	0.4	3.1	3.9	3.9	4.4	0.4	16.9
	22-33	knots	-	-	-	-	-	-	-	-	-	-	-	-	-
	DIRECTION ONLY		7.3	6.7	3.9	4.0	1.9	4.8	5.1	8.9	15.7	11.2	15.7	6.5	-
SEP	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	10.8
	4-10	knots	2.2	2.2	5.8	5.0	7.9	1.4	0.3	2.4	3.6	3.3	9.3	7.6	51.1
	11-21	knots	-	0.1	1.1	5.0	0.4	0.1	0.3	2.6	7.4	8.1	6.9	3.5	35.6
	22-33	knots	-	-	-	-	-	-	-	0.4	1.1	1.0	-	-	2.5
	DIRECTION ONLY		2.2	2.4	6.9	10.0	8.3	1.5	0.6	5.4	12.1	12.4	16.3	11.1	-
OCT	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	5.4
	4-10	knots	0.4	0	1.5	1.3	3.4	5.0	2.8	2.0	3.1	7.4	3.2	0.1	30.2
	11-21	knots	4.8	1.3	0.7	0.8	4.7	7.1	8.6	11.8	6.6	7.3	1.7	1.3	56.9
	22-33	knots	0.1	-	-	-	-	-	0.1	1.9	4.7	0.5	-	-	7.4
	DIRECTION ONLY		5.4	1.3	2.2	2.2	8.1	12.1	11.6	15.9	14.4	15.2	5.0	1.5	0.1
NOV	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	8.2
	4-10	knots	6.4	16.8	0.7	0.4	1.5	0.7	1.4	0.8	2.2	1.3	2.9	2.4	37.5
	11-21	knots	5.7	4.4	-	-	0.3	0.6	2.4	3.8	5.6	6.5	3.2	10.7	43.1
	22-33	knots	0.4	-	-	-	-	-	0.3	0.4	4.9	4.0	0.3	0.7	11.0
	DIRECTION ONLY		12.5	21.3	0.7	0.4	1.8	1.3	4.0	5.0	12.8	11.9	6.4	13.8	0.3
DEC	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	2.3
	4-10	knots	1.5	2.0	2.6	1.7	1.5	2.6	3.9	3.6	2.0	5.0	2.8	1.1	30.2
	11-21	knots	1.2	-	0.3	0.1	0.1	8.6	9.0	14.9	9.0	6.6	1.9	1.3	53.1
	22-33	knots	-	0.1	-	-	-	-	6.2	4.4	2.6	0.9	-	-	14.2
	DIRECTION ONLY		2.7	2.2	2.8	1.9	1.6	11.2	19.2	23.0	13.6	12.5	4.7	2.4	0.1
YEAR	0-3	knots	-	-	-	-	-	-	-	-	-	-	-	-	5.3
	4-10	knots	3.4	4.2	2.8	2.8	3.6	3.2	3.0	3.8	3.5	3.8	4.3	4.5	43.0
	11-21	knots	1.9	3.9	6.0	2.3	1.5	2.8	2.9	5.9	6.7	6.1	3.9	3.0	46.8
	22-33	knots	-	-	0.7	-	-	-	0.6	0.8	1.4	0.9	0.2	0.2	4.9
	DIRECTION ONLY		5.8	8.8	10.0	5.5	5.4	6.4	6.7	10.8	12.0	11.3	9.1	8.1	-



**GUERNSEY AIRPORT MET OFFICE 2010**

**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							0.5	0.5			1.5		
2								0.5					
3		0.5							2.0				
4							9.5		5.5				
5	0.5					0.5			4.0				
6	2.5						0.5						
7			8.5							0.5			
8					3.0								
9	9.5		6.0					0.5	0.5				
10	0.5	2.0	2.0	3.5									
11			8.5	1.5				0.5			9.0		
12			1.0		0.5	2.0			1.5		1.5		
13		3.0		0.5					6.5				
14													
15													1.5
16				7.0				3.5		1.5			0.5
17													
18	0.5												
19					0.5	1.0			3.0				
20						3.5							
21						6.0			7.0				0.5
22						2.0	5.0		2.0				
23			2.5	0.5									
24				11.5						0.5			
25				11.0			3.0		0.5				
26				0.5		0.5			2.5				
27								0.5					
28						2.5							
29	4.0					5.5		1.0					
30						9.0	4.5	0.5	2.0				
31							2.5						
Tot Hrs	17.5	5.5	28.5	36.0	4.0	32.5	25.5	7.5	37.0	2.5	12.0	2.5	211.0
Tot Days	6	3	6	8	3	10	7	8	12	3	3	3	72

**Averages for Period 1991-2010**

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

**GUERNSEY AIRPORT MET OFFICE 2010**

**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													
3									2.0				
4							7.5		3.5				
5									3.0				
6	0.5						0.5						
7			6.0							0.5			
8					2.0								
9	6.5		5.0										
10		0.5		0.5									
11			7.5	1.0				0.5			4.0		
12			1.0			1.0			0.5				
13		1.5							6.0				
14													
15													
16				4.0				3.0					
17													
18													
19						1.0			1.5				
20						2.0							
21						5.5			6.0				
22						1.5	4.0		0.5				
23			2.5										
24				8.0									
25				7.0			1.5						
26						0.5			2.0				
27								0.5					
28													
29	1.5					3.5		1.0					
30						6.5	0.5		1.5				
31							1.0						
Tot Hrs	8.5	2.0	22.0	20.5	2.0	21.5	15.0	5.0	26.5	0.5	5.0	0.0	128.5
Tot Days	3	2	5	5	1	8	6	4	10	1	2	0	47

**Averages for Period 1991-2010**

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

**REPORT FOR ROCQUAINE**

MONTH	TEMPERATURE °C						RAINFALL mm			MEAN RH% AT 9 a.m.	CLOUD OKTAS AT 9a.m.
	MEAN MAXIMUM	HIGHEST MAXIMUM	DATE	MEAN MINIMUM	LOWEST MINIMUM	DATE	TOTAL	WETTEST DAY	DATE		
JAN	9.5	13.3	29th	6.2	0.4	21st	90.6	16.9	25th	86.4	6.8
FEB	8.5	11.3	14th	4.6	1.4	21st	46.5	9.4	13th	82.4	5.6
MAR	9.1	14.9	5th	4.3	-0.2	12th,13th	128.8	32.4	12th	83.1	6.4
APR	12.0	16.8	15th,17th	6.5	0.8	7th	45.8	11.1	10th	82.3	5.3
MAY	15.0	22.2	7th	8.8	5.4	2nd	30.6	8.4	27th	81.0	4.7
JUN	17.6	20.4	20th	11.4	7.3	10th	34.9	15.5	6th	85.6	5.4
JUL	22.0	27.9	21st	14.1	9.8	6th	38.6	19.3	27th	79.9	4.1
AUG	21.7	27.3	1st	14.8	12.0	21st	24.1	7.2	24th	83.0	4.8
SEP	19.5	25.4	4th	13.7	11.4	8th	56.5	20.8	28th	85.1	6.2
OCT	17.4	21.7	3rd	13.1	9.4	13th	119.9	14.0	15th	87.0	5.8
NOV	12.1	16.1	1st	8.9	5.6	20th	93.2	17.6	9th	78.8	6.2
DEC	11.4	13.3	15th	7.9	5.3	1st	168.1	32.2	23rd	80.9	5.7
YEAR	14.7	27.9	21-Jul	9.6	-0.2	12,13/3	877.6	32.4	12-Mar	83.0	5.6

**REPORT FOR LIHOU**

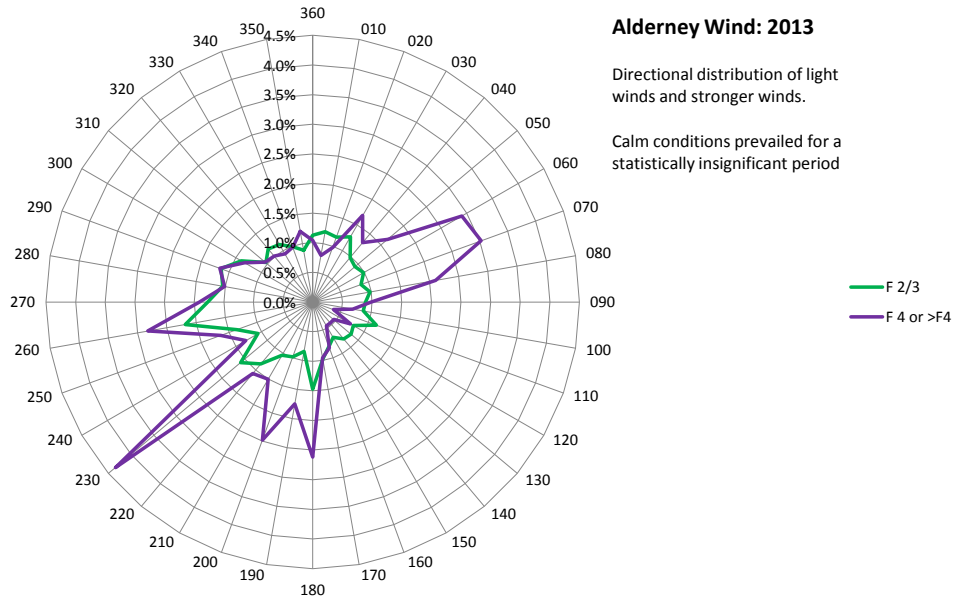
MONTH	TEMPERATURE °C						RAINFALL mm		
	MEAN MAXIMUM	HIGHEST MAXIMUM	DATE	MEAN MINIMUM	LOWEST MINIMUM	DATE	TOTAL	WETTEST DAY	DATE
JAN	9.0	12.2	30th	6.1	-0.1	18th	89.4	17.1	25th
FEB	7.7	10.3	3rd,4th,16th	4.8	1.9	21st,22nd	41.0	11.7	10th
MAR	8.3	13.9	5th,6th	4.8	-0.2	12th	130.9	57.7	11th
APR	10.2	15.2	17th	6.4	2.1	6th	49.2	13.1	10th
MAY	12.7	20.7	7th	8.8	7.3	1st	32.0	6.4	14th
JUN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
JUL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AUG	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SEP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OCT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NOV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
YEAR									

Data for Lihou not available from June owing to sensor malfunction

**REPORT FOR SARK**

MONTH	TEMPERATURE °C						RAINFALL mm			SUNSHINE HRS
	MEAN MAXIMUM	HIGHEST MAXIMUM	DATE	MEAN MINIMUM	LOWEST MINIMUM	DATE	TOTAL	WETTEST DAY	DATE	
JAN	8.3	12.8	29th	5.2	-0.5	18th	95.0	13.3	26th	35.0
FEB	7.7	11.5	11th	4.0	0.4	24th	46.5	10.2	10th	93.4
MAR	8.2	13.7	8th	3.9	-0.9	12th	86.7	21.6	7th	99.9
APR	11.7	16.4	25th	5.9	1.7	1st	40.2	7.5	13th	201.5
MAY	14.3	20.0	7th	8.2	6.5	15th	41.9	11.2	27th	235.5
JUN	16.5	19.9	20th	11.0	8.9	4th	24.6	6.4	12th	224.6
JUL	20.5	26.7	14th	14.0	11.0	2nd	23.5	6.5	29th	324.4
AUG	21.5	28.7	1st	14.7	13.2	25th	28.7	8.5	2nd	276.9
SEP	18.9	23.0	24th	13.9	10.2	8th	53.2	10.2	28th	147.1
OCT	16.9	21.0	2nd	13.4	9.2	15th	108.5	14.0	27th	141.4
NOV	11.6	15.6	1st	8.2	4.4	20th	121.9	20.6	9th	54.3
DEC	10.9	12.8	15th	7.0	4.8	20th	168.7	34.6	23rd	67.6
YEAR	14.0	28.7	01-Aug	9.1	-0.9	12-Mar	839.4	34.6	23-Dec	1901.6

**ALDERNEY AIRPORT WIND ANALYSIS**



METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT JANUARY 2013

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
B.HOL	1	1010.7	10.1	6.3	8.2	3.9	9.0	9.8	290	13	14.0	31	0.2	3.9	Hvy shwrs early bec fair. Small hail evng			
WED	2	1027.5	10.6	7.3	9.0	3.3	8.2	9.8	280	09	12.5	27	1.8	NIL	Fine bec cloudy. Drzl/rain, mist early pm. Slt drzl/rain evng			
THU	3	1036.4	10.8	9.7	10.3	9.3	9.0	9.8	260	12	13.0	28	TR	NIL	Cloudy, ocnl drzl/rain. Tempo fog early. Slt drzl evng			
FRI	4	1041.0	10.8	9.2	10.0	8.5	9.2	9.7	250	07	6.5	15	TR	NIL	Overcast			
SAT	5	1038.1	9.5	8.5	9.0	8.4	9.3	9.8	200	06	5.1	14	0.7	NIL	Overcast, tempo slt drzl. Mist early pm, fog patch. Mod drzl/fog late			
SUN	6	1034.3	9.5	6.1	7.8	7.3	9.4	9.8	170	05	5.3	13	0.1	NIL	Drzl & fog early. Tempo fog am. Mist pm. Drzl late			
MON	7	1028.1	9.4	6.1	7.8	6.4	9.1	9.9	160	07	7.5	17	NIL	NIL	Cloudy, ocnl drzl/rain. Tempo fog early. Slt drzl evng			
TUE	8	1026.8	9.5	8.6	9.1	7.9	9.1	9.8	190	11	10.5	19	6.8	NIL	Cloudy, rain evng. Drzl/rain later			
WED	9	1022.3	10.7	9.0	9.9	8.5	9.3	9.8	190	06	4.4	15	0.6	NIL	Drzl/rain, tempo mod. Thick fog late am.. Fog pm. Mist evng			
THU	10	1017.1	10.4	8.0	9.2	4.8	9.5	9.9	270	07	12.6	38	3.2	0.7	Fog/drzl early tempo fair. Rain pm, tempo hvy rain. Shwrs evng			
FRI	11	1021.1	9.9	7.2	8.6	2.8	8.9	9.9	300	04	8.6	27	4.9	1.1	Fair bec cloudy. Shwrs late am & pm. Fair evng, dew. Tempo fine			
SAT	12	1006.4	9.3	6.2	7.8	5.5	8.7	9.9	190	14	10.8	34	5.5	4.0	Hvy rain early. Hvy shwr mid am, then fair, tempo cloudy			
SUN	13	1016.8	6.8	3.4	5.1	-0.1	8.1	9.8	030	12	8.3	21	TR	0.3	Fine, dew bec cloudy. Hvy shwrs mid am. Slt rain late			
MON	14	1016.8	7.5	3.5	5.5	1.1	7.4	9.7	290	08	11.7	34	3.7	0.5	Cloudy, slt rain. Mod rain early pm. Fair evng			
TUE	15	1012.2	6.4	3.3	4.9	1.7	7.2	9.5	340	16	11.5	44	TR	4.2	Fair, ocnl cloudy. Shwr small hail early. Slt shwrs evng			
WED	16	1008.6	5.1	0.6	2.9	1.5	6.9	9.4	090	14	10.7	23	NIL	2.3	Cloudy, ocnl fair. Bec fine early evng, then cloudy. Dry air			
THU	17	1018.4	4.8	1.9	3.4	-1.6	6.3	9.3	180	07	11.5	32	4.0	NIL	Cloudy, ocnl dry air			
FRI	18	1000.3	3.8	-0.5	1.7	-0.3	6.1	9.1	140	20	16.0	35	4.8	NIL	Cloudy bec snow then rain. Mist. Shwrs pm			
SAT	19	992.9	3.8	1.5	2.7	-0.2	5.3	8.8	040	09	11.5	28	0.2	NIL	Cloudy, slt drzl/rain early. Slt shwrs/ rain. Sleet shwrs			
SUN	20	996.2	3.1	0.2	1.7	0.9	5.2	8.5	330	06	5.5	18	0.1	0.1	Sleet/snow shwrs early. Cloudy, Tempo fair evng			
MON	21	992.1	4.6	0.0	2.3	-3.3	4.9	8.2	120	09	7.3	24	6.4	NIL	Cloudy, rain mid am bec mod rain. Sleet early pm. Shwrs evng			
TUE	22	994.8	5.9	4.2	5.1	-0.7	5.2	7.9	130	12	7.1	23	5.4	NIL	Cloudy, rain mid am bec mod rain. Cloudy pm. Slt shwrs late			
WED	23	1004.5	7.6	3.2	5.4	1.4	5.6	7.9	180	07	6.3	27	1.0	1.3	Mainly cloudy. Tempo shwrs			
THU	24	1013.7	5.6	3.0	4.3	-0.6	5.6	7.7	080	08	6.1	15	TR	0.5	Cloudy, slt shwrs. Tempo fair am			
FRI	25	1016.7	5.3	1.8	3.6	-0.1	5.5	7.8	120	10	12.5	36	18.9	NIL	Cloudy. Haze early pm. Rain evng. Mod rain, tempo hvy rain late			
SAT	26	1012.7	10.0	4.2	7.1	3.0	5.6	7.6	310	14	15.7	37	10.7	3.8	Hvy rain early bec fair. Bec cloudy pm.			
SUN	27	1001.0	10.4	7.1	8.8	5.9	6.6	7.6	260	21	19.3	38	4.1	5.3	Hvy rain early bec fair. Hvy shwrs late, small hail			
MON	28	1013.7	10.3	4.8	7.6	2.4	6.4	7.6	200	13	18.0	41	7.2	0.2	Slt shwr early bec fine, then cloudy again. Rain pm. Drzl/rain evng			
TUE	29	1009.1	12.2	10.2	11.2	8.5	7.4	7.7	220	21	20.0	36	2.3	NIL	Rain. Drzl/rain/fog mid am. Bec mist, ocnl drzl			
WED	30	1010.9	12.3	8.4	10.3	8.7	8.4	7.9	250	15	18.9	38	0.1	6.1	Rain, tempo hvy rain mid am bec fine			
THU	31	1017.0	10.9	8.0	9.5	5.3	8.2	8.1	250	26	17.5	38	1.6	NIL	Fine bec cloudy. Rain mid am.			
MEAN		1014.8	8.3	5.2	6.7	3.6	7.4	9.0	S	11.3	11.2	TOTAL	94.3	34.3				
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 ≥0.2µm	WET ≥1.0µm	SNOW/ SLEET	HAIL	THNDR	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE				
		21	17	4	3	0	0	1	8	7	2	0	16					
RECORDS FROM JANUARY 1947														RAINFALL	94.3 mm	SUNSHINE	34.3 hrs	
WETTEST DAY	35.8mm	DRIEST MONTH	15.4mm	LOWEST MIN	-7.8°C	WARMEST MNTH	9.0°C	SUNNIEST MNTH	112.8hrs	RAIN DAYS					21	SUNLESS DAYS		16
DAY/YEAR	11th/2001	YEAR	1992	DAY/YEAR	20th/1963	YEAR	2007	YEAR	1998	WET DAYS					17			
WETTEST MNTH	210.0mm	HIGHEST MAX	13.3°C	LOWEST GRASS	-10.0°C	COLDEST MONTH	1.5°C	DULLEST MNTH	26.0hrs									
YEAR	2001	DAY/YEAR	4th/48,9th/07	DAY/YEAR	29th/1947	YEAR	1963	YEAR	1966									

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT FEBRUARY 2013

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
FRI	1	1002.8	9.9	6.4	8.2	7.5	8.4	8.2	230	10	13.7	32	3.7	0.1	Cloudy, slt rain. Tempo mod rain. Bec drzl/rain. Shwrs later. Hail		
SAT	2	1016.9	7.2	4.7	6.0	2.4	7.7	8.4	350	18	14.9	37	TR	8.1	Shwrs early bec fair or fine		
SUN	3	1025.4	9.8	3.5	6.7	-1.9	7.0	8.4	240	13	14.3	31	0.1	NIL	Fine bec cloudy. Ocnl slt rain or drzl. Fog pstch early pm		
MON	4	1019.9	10.4	7.0	8.7	8.2	7.7	8.3	270	20	19.8	40	4.5	0.9	Cloudy, slt drzl early. Shwrs late		
TUE	5	1008.8	8.3	3.2	5.8	1.9	7.4	8.4	280	26	24.9	56	2.0	2.2	Hvy shwrs early. Tempo gale. Small hail. Ocnl fair midday. Shwrs pm		
WED	6	1007.3	8.0	5.1	6.6	3.0	6.9	8.4	330	24	21.8	43	0.2	3.9	Cloudy, slt shwrs. Small hail am. Ocnl fair		
THU	7	1023.2	6.8	3.7	5.3	0.4	6.4	8.4	310	12	10.4	25	6.3	1.3	Fair bec cloudy. Rain by evng, bec mod rain		
FRI	8	1021.3	6.4	3.6	5.0	2.4	6.3	8.2	360	08	10.3	22	2.5	2.4	Mod rain early bec slt. Shwrs. Ocnl fair early pm. Hvy shwr evng		
SAT	9	1022.6	8.0	4.4	6.2	3.5	6.5	8.1	170	02	6.2	19	8.4	NIL	Cloudy. Ocnl rain or drzl am. Rain pm		
SUN	10	997.8	8.8	6.2	7.5	4.3	6.9	8.1	160	15	12.8	33	9.2	0.5	Mod rain mid am. Drzl/rain. Mist, fog patches. Hvy rain early pm		
MON	11	996.0	8.3	4.0	6.2	-1.6	6.9	8.0	220	03	6.6	17	TR	3.3	Fine bec fair. Mainly cloudy pm		
TUE	12	1013.7	5.0	4.2	4.6	1.7	6.8	8.0	010	05	5.8	13	TR	NIL	Cloudy. Slt shwrs mid am. Haze evng. Slt rain		
WED	13	1021.5	7.1	3.7	5.4	2.1	6.3	7.9	150	09	10.7	25	9.7	NIL	Cloudy. Rain pm, tempo sleet bec drzl/rain. Mist, fog patches		
THU	14	1013.9	10.2	7.1	8.7	4.5	7.0	8.0	280	16	15.2	27	NIL	7.6	Cloudy, rain. Tempo hvy rain bec fair. Fine pm. Dew evng		
FRI	15	1022.1	9.9	5.4	7.7	-0.8	7.1	7.9	320	04	5.5	16	NIL	6.3	Fine, dew. Bec fair. Fine late evng, dew		
SAT	16	1023.9	9.0	4.6	6.8	-1.6	6.9	7.9	140	05	5.8	14	NIL	7.7	Fair, dew bec cloudy. Fair mid am. Tempo fog patches late am		
SUN	17	1019.5	7.7	3.9	5.8	1.2	6.8	8.0	110	10	11.0	25	NIL	9.2	Fine, dew. Tempo fog early. Fair bec fine		
MON	18	1016.4	8.2	3.6	5.9	1.2	6.6	8.0	120	13	10.5	24	NIL	9.7	Fine		
TUE	19	1018.9	8.4	0.6	4.5	-4.4	6.4	8.0	110	05	6.9	15	NIL	9.6	Fine, dew. Hoar frost. Dew later		
WED	20	1019.0	7.6	3.0	5.3	-2.4	6.1	7.9	090	11	13.4	30	NIL	8.1	Fine, dew. Bec haze. Fair late am. Fine pm. Fair late		
THU	21	1020.3	4.4	0.6	2.5	-1.5	6.0	7.8	090	19	18.6	34	TR	7.6	Fine bec fair. Fine pm. Fair evng, cloudy late evng		
FRI	22	1017.7	2.2	0.5	1.4	-1.1	5.6	7.7	080	18	17.9	34	0.7	0.5	Cloudy. Slt snow mid am. Snow shwrs evng		
SAT	23	1019.5	2.2	0.2	1.2	-0.5	5.1	7.6	030	11	11.1	24	1.2	NIL	Cloudy, snow shwrs. Shwrs snow/snow pellets pm		
SUN	24	1024.0	2.4	0.9	1.7	-0.4	4.6	7.4	010	13	10.8	26	0.1	NIL	Cloudy. Slt shwrs snow/snow pellets		
MON	25	1026.9	4.5	2.0	3.3	0.3	4.4	7.3	010	14	11.8	24	1.0	NIL	Cloudy. Slt shwrs snow/snow pellets early. Slt shwrs evng		
TUE	26	1028.4	5.8	3.8	4.8	2.8	4.7	7.1	050	14	15.0	28	0.2	1.0	Cloudy, ocnl rain or drzl am		
WED	27	1032.9	5.3	3.8	4.6	3.2	5.2	7.1	040	14	14.6	30	TR	NIL	Cloudy. Tempo slt drzl or rain		
THU	28	1028.0	5.9	3.2	4.6	2.2	5.2	7.0	070	14	14.4	30	TR	NIL	Cloudy. Bec haze		
MEAN		1018.2	7.1	3.7	5.4	1.3	6.4	7.9	E	12.4	12.7	TOTAL	49.8	90.0			
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			
		13	10	5	6	0	0	0	10	5	0	1	9				
RECORDS FROM JANUARY 1947														RAINFALL	49.8 mm	SUNSHINE	90.0 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	107.3	SUNLESS DAYS	43.3	WET DAYS	31		
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 GUERNSEY AIRPORT MARCH 2013

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
FRI	1	<b>1027.2</b>	5.6	2.7	4.2	1.7	5.5	6.9	070	14	13.8	28	TR	NIL	Cloudy. Ocnl slt drzl/rain	
SAT	2	1026.6	5.3	3.2	4.3	1.9	5.5	6.9	060	14	12.2	24	NIL	NIL	Cloudy. Slt rain early	
SUN	3	1021.9	4.0	1.4	2.7	1.0	5.6	6.9	080	17	12.1	23	TR	1.4	Cloudy bec haze. Fine by evng. Dew later	
MON	4	1012.1	7.8	1.9	4.9	-1.3	5.3	6.9	100	09	9.1	19	NIL	9.1	Fine, haze & dew. Tempo hoar frost mid am. Bec fair. Bec fine pm	
TUE	5	1003.2	12.9	4.7	8.8	1.1	5.8	7.0	130	09	9.3	19	TR	4.7	Fine, haze bec fair. Cloudy pm. Tempo slt rain	
WED	6	998.1	12.9	<b>9.6</b>	<b>11.3</b>	7.7	6.9	7.0	120	08	9.8	21	2.2	0.5	Cldy, drzl/rain/fog. Tempo hvy rain am. OcC thick fog am. Fair evng	
THU	7	995.0	11.3	8.7	10.0	<b>8.5</b>	7.6	7.1	130	10	7.5	18	13.3	0.4	Rain/drzl & fog. Ocnl thick fog am. Hvy rain late am	
FRI	8	997.0	<b>13.9</b>	8.6	<b>11.3</b>	7.6	7.9	7.3	220	05	6.8	18	2.0	5.5	Rain early, tempo hvy rain. Fair pm. Shwrs evng	
SAT	9	1002.5	10.1	7.1	8.6	4.2	8.3	7.4	160	09	7.1	14	TR	2.6	Fine, dew bec cloudy. Fog. Ocnl fair pm	
SUN	10	1001.4	9.9	3.8	6.9	5.6	<b>8.4</b>	7.8	070	19	19.4	41	<b>20.9</b>	NIL	Cloudy. Ocnl fog am. Tempo slt rain. Mod rain evng. Sleet late	
MON	11	999.0	3.9	-1.0	1.5	-0.4	7.5	<b>8.0</b>	060	<b>29</b>	<b>26.9</b>	<b>47</b>	16.5	NIL	Slet bec snow. Mod snow. Hvy snow/blowing snow pm	
TUE	12	1006.8	<b>2.2</b>	<b>-1.5</b>	<b>0.4</b>	-1.7	6.1	7.9	020	19	17.6	37	0.3	NIL	Snow/blowing snow. Ocnl mod snow early. Snow pellets late	
WED	13	1012.4	5.2	1.9	3.6	-0.6	5.2	7.6	340	12	10.9	26	0.6	4.2	Shwrs snow/snow pellets. Ocnl fair	
THU	14	1018.0	5.3	1.3	3.3	<b>-5.4</b>	4.5	7.5	010	08	6.3	17	NIL	<b>10.0</b>	Snow/snow pellets early bec fine, hoar frost. Fair or fine	
FRI	15	1012.8	9.4	2.4	5.9	<b>-3.6</b>	4.2	7.2	210	14	15.3	30	3.0	2.3	Fine bec cloudy. Ocnl fair. Slt shwr am	
SAT	16	997.5	9.7	5.5	7.6	5.0	3.1	6.8	200	18	17.7	36	0.7	5.2	Cloudy. Rain mid am, tempo hvy rain. Bec fair. Slt shwr late	
SUN	17	989.6	7.3	3.1	5.2	3.6	<b>2.8</b>	6.3	180	14	12.9	31	6.3	4.9	Fair bec cloudy. Shwrs am. Tempo hvy shwr. Fair pm. Hail shwr	
MON	18	<b>989.0</b>	8.5	3.6	6.1	1.2	3.0	<b>6.0</b>	320	08	7.8	19	1.3	5.5	Mainly cloudy am, slt shwrs. Fair pm. Shwrs evng	
TUE	19	997.3	8.9	2.8	5.9	-3.6	3.7	<b>6.0</b>	200	07	4.6	13	11.7	5.1	Fair, ocnl cloudy. Shwr early. Bec cloudy pm. Shwrs evng	
WED	20	1004.8	9.4	3.9	6.7	1.9	4.8	6.1	270	04	<b>4.2</b>	15	3.3	4.6	Cloudy. Showery rain mid am. Tempo hvy shwr. Bec fair pm	
THU	21	1011.1	7.4	5.3	6.4	0.9	5.5	6.4	100	16	13.1	30	16.3	NIL	Rain, ocnl drzl/rain am. Fog late am. Mod rain pm, tempo hvy rain	
FRI	22	1000.8	10.2	7.3	8.8	5.6	5.8	6.5	110	15	10.5	31	4.5	NIL	Cloudy. Rain pm, tempo hvy rain evng	
SAT	23	1005.4	11.5	5.7	8.6	-0.5	6.3	6.6	---	<b>00</b>	8.5	24	NIL	3.9	Cloudy bec fine, dew. Mist, ocnl fog am. Fair, ocnl cloudy	
SUN	24	1007.8	5.8	3.5	4.7	4.8	6.7	6.9	060	15	16.0	27	NIL	NIL	Cloudy, mist bec haze	
MON	25	1010.7	4.6	2.7	3.7	2.5	6.3	7.0	050	17	16.7	32	TR	NIL	Cloudy	
TUE	26	1010.8	4.1	2.7	3.4	1.9	6.0	7.1	040	13	12.8	25	0.4	NIL	Cloudy. Ocnl slt rain late am. Bec haze. Slt snow shwrs late	
WED	27	1008.9	5.5	2.5	4.0	0.1	5.6	7.1	080	07	8.4	19	0.1	0.2	Slt snow shwrs early bec rain	
THU	28	1011.4	5.4	1.1	3.3	-1.6	5.8	7.0	020	07	7.4	21	TR	7.9	Slt shwrs rain/snow pellets early. Bec fair of fine. Slt shwrs snow	
G.FRI	29	1008.1	6.7	1.4	4.1	-1.9	5.9	7.0	100	17	16.8	34	0.9	2.3	Fair bec cloudy. Slt rain evng, sleet later	
SAT	30	1007.9	4.2	1.2	2.7	0.2	6.0	7.0	070	16	13.9	29	TR	0.1	Cloudy, sleet/snow early. Slt shwrs pm	
E.SUN	31	1012.8	6.7	2.8	4.7	0.8	5.8	6.9	120	11	13.9	31	NIL	8.0	Cloudy bec fair or fine	
MEAN		1006.7	7.6	3.5	5.6	1.5	5.7	7.0	E	12.3	11.9	TOTAL	104.3	88.4	w depths @0900	
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	11th 4cm 12th 16cm 13th 12cm 14th 4cm	
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2mm	WET ≥1.0mm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN		TOTALS FOR YEAR TO DATE	
		17	12	10	5	0	0	2	10	5	2	0	10			
RECORDS FROM JANUARY 1947																
WETTEST DAY DAY/YEAR	30.0mm 28th/1960	DRIEST MONTH YEAR	2.7mm 1961	LOWEST MIN DAY/YEAR	-2.2°C 10th/11th/1958	WARMEST MNTH YEAR	10.3°C 1957	SUNNIEST MNTH YEAR	214.8 2009	RAINFALL	248.4 mm	SUNSHINE	212.7 hrs			
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	RAIN DAYS	51	SUNLESS DAYS	35			
										WET DAYS	39					

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT APRIL 2013

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
E.MON	1	1006.3	6.5	1.1	3.8	-1.6	5.8	6.9	090	19	<u>19.0</u>	34	NIL	9.7	Fine bec fair. Fine evng		
TUE	2	1010.5	7.2	3.6	5.4	0.2	6.0	7.0	060	<u>20</u>	17.8	31	NIL	11.2	Fine. Ocnl dry air early pm		
WED	3	1015.0	6.1	3.0	4.6	-0.4	6.1	7.0	050	16	17.1	33	0.7	5.7	Fine. Fair late am bec cloudy pm. Shwrs sleet/snow pellets late		
THU	4	1011.4	4.3	1.5	<u>2.9</u>	1.0	6.1	7.0	030	18	17.7	31	0.5	0.2	Cloudy. Shwrs sleet/snow/snow pellets/small hail		
FRI	5	1012.8	<u>3.9</u>	2.4	<u>3.2</u>	-0.1	5.5	7.0	020	16	17.0	34	0.3	NIL	Cloudy. Shwrs sleet/snow pellets/rain. Ocnl slt rain pm		
SAT	6	1024.2	<u>6.3</u>	1.3	3.8	-0.6	<u>5.2</u>	6.9	050	13	9.8	22	NIL	11.7	Cloudy bec fair then fine. Hoar frost late		
SUN	7	1020.8	7.6	<u>0.1</u>	3.9	<u>-4.6</u>	5.7	<u>6.7</u>	130	10	9.3	20	2.5	5.4	Fine, hoar frost bec fair. Cloudy pm		
MON	8	1002.5	8.8	<u>3.7</u>	6.3	3.0	6.1	6.8	120	08	9.0	20	8.7	2.6	Cloudy bec rain or drzl. Tempo fair		
TUE	9	<u>991.6</u>	10.9	5.5	8.2	3.8	6.9	6.9	180	10	11.5	28	2.9	8.1	Hvy rain early bec fair or fine. Rain/drzl by evng. Mist		
WED	10	1006.1	9.8	6.1	8.0	2.2	7.8	7.0	170	07	11.4	34	<u>12.8</u>	NIL	Shwrs early. Mist. Rain late am. Fog patches. Mod/hvy rain pm. Fog		
THU	11	1000.4	12.8	7.7	10.3	7.2	8.0	7.2	230	13	12.1	<u>41</u>	<u>3.1</u>	7.8	Cloudy, drzl & fog mid am. Fair late am. Ocnl fine. Shwr evng		
FRI	12	999.6	11.5	8.1	9.8	6.4	8.7	7.4	250	17	16.4	32	2.1	11.1	Hvy shwr early bec fair. Fine pm. Dew later		
SAT	13	1010.8	10.3	6.9	8.6	4.8	8.9	7.6	160	16	11.9	28	7.6	NIL	Fair or fine, dew bec cloudy. Rain mid am. Fog patches. Hvy rain		
SUN	14	1012.8	15.1	9.1	12.1	7.5	8.8	7.8	150	10	10.4	21	TR	2.5	Mainly cloudy. Slt rain late		
MON	15	1020.3	14.3	8.4	11.4	6.2	9.3	8.0	190	09	9.0	24	1.0	10.6	Cloudy bec fair. Ocnl fine pm. Cloudy later		
TUE	16	1018.1	11.5	8.9	10.2	7.0	9.8	8.2	210	11	9.7	23	4.7	NIL	Cloudy, drzl/rain. Fog, ocnl thick fog		
WED	17	1017.4	<u>16.2</u>	<u>9.2</u>	<u>12.7</u>	<u>9.0</u>	9.9	8.4	160	13	12.7	37	NIL	1.9	Fog early bec mist. Mainly cloudy. Fair later		
THU	18	1018.9	12.0	8.2	10.1	5.6	10.1	8.6	230	16	17.3	36	TR	11.8	Fair or fine. Tempo slt shwr midday		
FRI	19	1029.2	11.1	6.9	9.0	4.7	9.8	8.8	300	15	12.7	24	NIL	12.6	Fine, tempo fair mid am		
SAT	20	<u>1033.4</u>	10.5	4.5	7.5	0.2	9.8	8.9	090	08	7.7	18	NIL	12.9	Fine, dew early		
SUN	21	1024.7	9.4	2.3	5.9	-3.8	9.6	9.0	200	02	5.9	17	TR	7.2	Fine, slt hoar frost. Bec fair. Bec cloudy pm. Slt rain late evng		
MON	22	1020.1	11.3	7.0	9.2	2.7	9.8	9.0	260	10	10.8	20	TR	0.5	Cloudy, ocnl fair early. Slt drzl late evng. Ocnl fog		
TUE	23	1023.4	11.4	8.3	9.9	8.2	10.1	9.1	270	11	10.0	22	TR	2.7	Thick fog & drzl early then cloudy. Fine evng. Cloudy later, mist		
WED	24	1026.8	11.2	8.5	9.9	6.6	10.5	9.2	190	07	<u>4.7</u>	11	TR	NIL	Cloudy, mist bec fog. Ocnl slt drzl am. Ocnl thick fog. Mist pm		
THU	25	1023.4	15.5	6.6	11.1	5.6	<u>10.8</u>	9.4	—	<u>00</u>	6.2	16	0.4	4.1	Thick fog bec fine, adj fog. Fog pm. Fine, mist late evng		
FRI	26	1019.2	10.6	6.5	8.6	4.9	<u>10.8</u>	9.5	320	16	13.4	28	TR	10.7	Cloudy, tempo drzl & fog early bec fair. Fine late am		
SAT	27	1015.4	9.2	5.6	7.4	3.5	10.4	9.6	360	13	11.7	27	NIL	10.3	Fine bec fair to cloudy. Slt shwrs. Be fair or fine		
SUN	28	1020.6	9.5	3.4	6.5	-1.7	9.9	9.7	200	04	6.3	17	0.6	3.4	Fine, dew bec fair then cloudy		
MON	29	1020.4	11.3	7.1	9.2	4.8	10.0	<u>9.8</u>	300	12	11.1	22	NIL	<u>13.2</u>	Cloudy, ocnl rain early bec fair or fine		
TUE	30	1023.9	10.9	6.7	8.8	2.0	10.1	<u>9.8</u>	030	18	11.9	30	NIL	10.7	Fine bec fair		
MEAN		1016.0	10.2	5.6	7.9	3.1	8.5	8.1	S	11.9	11.7	TOTAL	47.9	188.6			
30 YEAR AVE. 1981-2010		1015.1	11.8	6.6	9.2	3.7	9.8	9.4	NE	11.8	11.4	////	53.1	194.7			
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2µµ	WET ≥1.0µµ	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		14	9	3	3	0	0	0	7	10	3	0	5				
RECORDS FROM JANUARY 1947														RAINFALL	296.3 mm	SUNSHINE	401.3 hrs
WETTEST DAY	27.9mm	DRIEST MONTH	2.9mm	LOWEST MIN	-1.4°C	WARMEST MNTH	12.0°C	SUNNIEST MNTH	280.4hrs	RAIN DAYS	65	SUNLESS DAYS	40				
DAY/YEAR	3rd/2000	YEAR	1980	DAY/YEAR	11th/1986	YEAR	2011	YEAR	1984	WET DAYS	48						
WETTEST MNTH	130.4mm	HIGHEST MAX	24.3°C	LOWEST GRASS	-7.0°C	COLDEST MNTH	6.4°C	DULLEST MNTH	122.2hrs								
YEAR	1966	DAY/YEAR	16th/2003	DAY/YEAR	5th/1990	YEAR	1986	YEAR	1981								



METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT MAY 2013

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
WED	1	1023.6	11.9	6.1	9.0	3.3	<u>10.1</u>	<u>9.8</u>	020	14	11.4	27	NIL	9.7	Fair or fine, bec cloudy mid am. Fine pm		
THU	2	1022.9	12.8	6.0	9.4	1.5	<u>10.1</u>	9.9	030	15	9.4	23	NIL	13.3	Fine. Ocnl fair pm. Ocnl cloudy evng		
FRI	3	1023.3	12.8	7.3	10.1	4.0	10.7	<u>9.8</u>	340	10	10.2	20	NIL	13.5	Fine bec cloudy evening		
SAT	4	1021.8	13.0	9.4	11.2	8.2	11.5	10.0	220	14	13.8	27	TR	4.7	Cloudy ocnl fair. Mist later		
SUN	5	<b>1025.0</b>	14.3	7.5	10.9	3.5	11.5	9.9	220	07	5.9	17	NIL	10.4	Fair ocnl fine. Tempo cloudy am. Tempo mist am. Fine evng		
B.HOL	6	1021.3	18.1	6.5	12.3	<u>0.7</u>	11.6	10.2	130	10	6.6	17	TR	10.2	Fair or fine with high cloud late am and pm		
TUE	7	1016.6	<b>20.4</b>	10.7	<b>15.6</b>	<u>7.2</u>	12.7	10.5	110	<u>03</u>	7.3	20	4.8	7.2	Cloudy bec fair for a time. Rain late evng, tempo heavy. Fog later.		
WED	8	1008.5	13.6	9.2	11.4	<b>10.9</b>	13.4	10.6	220	11	13.0	32	0.3	3.4	Rain, mist or fog early. Rain/drzl early pm. Bec fine by evng		
LIB.D	9	1012.7	13.1	7.8	10.5	5.4	12.5	10.8	190	16	17.2	36	TR	10.7	Mainly fine. Slr shwr am. Cloudy by evng, slr rain		
FRI	10	1016.3	13.1	9.4	11.3	9.2	12.2	11.0	250	18	15.8	29	1.2	3.4	Cloudy, drzl early. Ocnl fair mid to late am. Rain late		
SAT	11	1016.1	12.9	7.6	10.3	5.9	12.2	11.0	240	18	18.0	32	TR	1.7	Rain early. Mainly cloudy. Tempo slt shwrs		
SUN	12	1021.5	11.9	7.7	9.8	4.2	11.8	11.0	270	13	14.6	28	2.2	3.4	Fine, dew bec cloudy. Ocnl rain pm. Fog patches		
MON	13	1018.4	12.8	9.2	11.0	9.3	11.8	11.1	260	20	16.6	29	2.1	8.6	Cloudy, ocnl rain/drizzle. Tempo fog. Bec fair		
TUE	14	1008.3	<u>10.2</u>	6.8	<u>8.5</u>	7.9	12.0	11.1	180	09	16.0	<b>54</b>	3.5	0.1	Cloudy, ocnl mod rain am. Slr rain pm. Gale late evng		
WED	15	<u>998.8</u>	12.0	6.7	9.4	5.6	11.3	11.2	280	15	13.0	<b>30</b>	NIL	12.8	Slr shwrs early bec fair. Fine evening		
THU	16	1000.7	12.8	<u>5.6</u>	9.2	2.9	11.5	11.1	270	<u>03</u>	<u>4.7</u>	13	0.5	12.6	Fair or fine. Dew early & late		
FRI	17	1003.7	13.4	5.9	9.7	5.4	12.0	11.2	060	10	10.9	28	NIL	11.6	Fair, dew bec cloudy. Slr shwrs mid am. Bec fair then fine pm.		
SAT	18	1010.0	13.8	6.5	10.2	5.0	12.5	11.2	360	09	8.1	18	0.2	11.8	Fine, dew early. Bec fair pm. Cloudy late		
SUN	19	1011.2	<u>10.2</u>	9.2	9.7	8.3	12.8	11.3	350	11	9.2	20	5.8	NIL	Cloudy, rain mid am. Ocnl mod rain. Rain/drzl pm. Fog patch		
MON	20	1014.9	13.0	8.9	11.0	6.4	12.1	11.4	290	16	12.5	26	NIL	0.1	Fine at first then cloudy		
TUE	21	1017.5	13.1	<b>10.8</b>	12.0	9.5	12.3	11.5	330	09	9.5	19	TR	0.2	Cloudy. Ocnl mist/haze am. Tempo slt drzlp. Fair late		
WED	22	1021.7	14.2	9.2	11.7	6.7	12.3	11.5	350	11	9.9	23	TR	8.7	Fair, dew bec cloudy. Fair pm bec fine		
THU	23	1018.2	11.8	8.2	10.0	5.9	12.5	11.5	320	<b>21</b>	16.9	32	TR	13.2	Fair or fine. Slight shower mid am & early pm		
FRI	24	1014.0	11.8	7.2	9.5	5.1	12.0	11.6	310	<b>20</b>	<b>18.3</b>	36	TR	5.5	Fair to cloudy. Tempo slt showers.		
SAT	25	1022.3	11.6	6.9	9.3	5.3	11.6	11.5	010	11	9.6	25	NIL	11.3	Fine bec cloudy, ocnl fair. Bec fine pm		
SUN	26	1022.6	13.9	6.4	10.2	1.9	11.8	11.5	320	05	5.6	13	NIL	<b>14.4</b>	Fine, dew. Tempo shallow fog mid am		
B.HOL	27	1011.5	15.2	7.5	11.3	4.3	12.8	11.6	200	10	6.7	20	<b>9.6</b>	9.8	Fine, dew early. Ocnl dry air. Cloudy by evng. Rain later, mod rain		
TUE	28	1001.6	12.8	7.8	10.3	9.3	13.4	11.7	290	12	12.0	25	0.7	7.4	Mod rain, tempo hvly rain early. Bec fair late am		
WED	29	1003.2	14.0	8.1	11.1	7.4	13.2	11.8	340	04	7.8	19	1.7	5.9	Shwrs early. Bec fair. Bec cloudy pm. Rain/drzl later		
THU	30	1011.8	14.5	9.8	12.2	9.6	<b>14.0</b>	12.0	310	14	9.7	24	0.1	1.5	Mainly cloudy. Tempo slt rain		
FRI	31	1020.6	16.3	10.2	13.3	8.5	13.5	<b>12.1</b>	340	11	10.0	19	NIL	12.9	Fair, ocnl cloudy early bec fine		
MEAN		1014.9	13.4	7.9	10.7	6.1	12.1	11.0	N	11.9	11.3	TOTAL	32.7	240.0			
30 YEAR AVE. 1981-2010		1016.0	14.9	9.2	12.0	6.7	13.0	11.8	NE	11.4	10.9	////	50.9	234.5			
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2mm	WET ≥1.0mm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN				
		12	8	0	0	0	0	0	0	5	1	1	1		TOTALS FOR YEAR TO DATE		
RECORDS FROM JANUARY 1947														RAINFALL	329.0 mm	SUNSHINE	641.3 hrs
WETTEST DAY DAY/YEAR	40.4mm 24th/1950	DRIEST MONTH YEAR	4.1mm 1989	LOWEST MIN DAY/YEAR	0.1°C 2nd/1979	WARMEST MNTH YEAR	13.9°C 1989	SUNNIEST MNTH YEAR	336.4hrs 1989								
WETTEST MNTH YEAR	128.7mm 1994	HIGHEST MAX DAY/YEAR	25.9 30th/2003	LOWEST GRASS DAY/YEAR	-5.6°C 5th/1979	COLDEST MNTH YEAR	9.9°C 1984	DULLEST MNTH YEAR	136.9hrs 1981								

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT JUNE 2013

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
SAT	1	1025.6	14.7	10.5	12.6	9.6	14.0	<u>12.2</u>	350	12	11.6	23	NIL	11.4	Fair, slt dew early. Tempo fine pm		
SUN	2	1029.6	15.0	9.4	12.2	7.5	14.3	12.4	050	13	8.1	20	NIL	<b>15.0</b>	Fair, tempo cloudy early bec fine. Bec fair pm		
MON	3	1031.1	14.6	9.2	11.9	7.0	14.5	12.5	050	11	12.2	27	NIL	14.8	Fine, dew early. Tempo dry air late am		
TUE	4	1026.5	14.0	8.6	11.3	7.0	14.5	12.7	070	13	14.4	26	NIL	10.2	Fine bec cloudy. Bec fair late am		
WED	5	1019.4	15.2	9.5	12.4	8.1	14.6	12.9	050	15	12.6	24	NIL	5.7	Fine, slt dew bec cloudy, mist. Tempo fog mid am. Bec fine pm		
THU	6	1017.7	16.7	10.8	13.8	9.7	14.8	12.8	050	18	17.8	33	<b>14.8</b>	13.3	Fine, dew early. Tempo cloudy mid am. Bec cloudy late, lghtng		
FRI	7	1018.1	17.4	11.2	14.3	10.9	14.9	13.0	060	20	19.1	33	TR	10.2	Intense T&L early, v. hvy rain. Bec fair. Bec cloudy by evng. Lghtng		
SAT	8	1018.3	14.5	10.6	12.6	9.7	15.0	13.1	050	<b>27</b>	<b>21.8</b>	<b>40</b>	NIL	13.5	Fine bec fair pm		
SUN	9	1015.4	<u>13.0</u>	9.1	<u>11.1</u>	9.0	14.8	13.1	050	14	13.4	30	NIL	3.6	Fine bec cloudy. Bec fine by evng		
MON	10	1015.8	14.7	<b>7.9</b>	11.3	6.1	<u>13.9</u>	13.3	100	09	7.5	19	1.6	0.2	Fine, dew early bec cloudy. Slt rain late		
TUE	11	1013.1	16.9	12.2	14.6	12.1	14.4	13.2	160	12	8.9	20	0.4	3.2	Cloudy, rain. Tempo fog early. Rain/drzl. Fog patches. Ocnl fair pm		
WED	12	1014.6	15.2	12.7	14.0	12.3	14.8	13.2	160	09	11.9	27	6.5	NIL	Drzl/rain early. Rain/drzl mid am, tempo fog. Tempo hvy rain late am		
THU	13	1015.4	14.7	11.1	12.9	11.5	14.4	13.2	240	19	16.9	32	NIL	9.1	Cloudy. Slt drzl mid am. Bec fair late am. Fine pm		
FRI	14	1018.7	16.7	10.6	13.7	10.1	14.4	13.2	170	09	9.3	30	0.7	1.5	Fine, dew bec cloudy. Rain late		
SAT	15	1013.4	15.5	10.8	13.2	9.9	14.7	13.3	240	16	16.5	32	1.5	12.5	Rain early bec fair. Tempo cloudy mid am. Bec fine pm. Cloudy late		
SUN	16	1014.2	17.3	11.4	14.4	10.7	14.7	13.3	150	07	8.6	20	TR	2.8	Cloudy, ocnl rain mid am. Tempo fair pm. Slt shwrs later		
MON	17	<u>1010.2</u>	16.4	<b>13.1</b>	14.8	12.1	15.1	13.4	080	06	11.1	32	TR	0.2	Cloudy, slt rain early. Slt shwrs midday		
TUE	18	1014.7	17.1	12.7	14.9	12.0	15.0	13.5	210	05	5.6	16	NIL	3.5	Cloudy, ocnl fair early & late am		
WED	19	1015.7	<b>18.5</b>	11.3	14.9	9.1	15.2	13.5	350	09	7.6	18	1.4	2.8	Cloudy bec fair then cloudy. Tempo fog am. Shwrs evng.		
THU	20	1012.6	18.2	12.4	<b>15.3</b>	12.5	15.4	13.6	160	11	10.3	25	0.5	5.5	Fair, dew bec cloudy, fog. Fair late am. Cloudy by evng, mist/fog		
FRI	21	1014.0	15.6	12.0	13.8	12.1	15.7	13.8	250	12	13.1	27	4.1	0.7	Cloudy, drlz & mist bec fog. Mist pm. Tempo fog evng		
SAT	22	1011.4	15.3	11.6	13.5	10.5	15.2	13.9	230	17	18.2	35	2.0	2.3	Cloudy, rian/drzl. Mist, tempo fog. Tempo fair late em. Slt drzl/rain		
SUN	23	1016.2	14.8	11.5	13.2	11.4	14.8	13.9	270	19	20.2	35	NIL	6.0	Rain early bec mist then haze. Bec fine pm		
MON	24	1026.5	15.0	10.9	13.0	8.0	14.7	13.9	280	15	12.4	22	NIL	10.4	Fine, slt dew bec fair. Tempo cloudy. Fine veng, dew later		
TUE	25	1030.5	16.1	9.5	12.8	5.3	14.8	13.9	310	<u>03</u>	5.0	12	NIL	14.5	Fine, de. Tempo shallow fog early. Dew later		
WED	26	<b>1032.8</b>	16.8	8.6	12.7	<b>4.3</b>	15.0	13.9	140	<u>03</u>	<b>4.6</b>	13	NIL	13.8	Fine, dew. Tempo fog mid am. Bec fair. Ocnl fine pm		
THU	27	1030.6	16.7	11.7	14.2	10.0	15.5	14.0	340	11	10.3	22	4.9	8.5	Fair, ocnl cloudy. Bec cloudy by evng		
FRI	28	1024.3	17.0	11.7	14.4	12.9	15.7	14.1	290	13	16.2	27	0.7	6.0	Drzl/rain bec fog then mist. Ocnl fair then cloudy. Ocnl fog		
SAT	29	1026.3	17.2	12.2	14.7	<b>13.5</b>	16.0	<b>14.2</b>	290	13	13.4	24	TR	9.7	Fog, ocnl drzl bec fair. Ocnl fine pm. Fog evng		
SUN	30	1027.0	14.1	11.2	12.7	11.3	<b>16.2</b>	<b>14.2</b>	250	10	11.4	19	TR	0.1	Thick fog bec mist pm. Cloudy		
MEAN		1020.0	15.8	10.9	13.3	9.9	14.9	13.4	NE	12.4	12.3	TOTAL	39.1	211.0			
30 YEAR AVE. 1981-2010		1018.0	17.5	11.5	14.5	9.0	16.0	14.4	W	10.4	10.1	////	45.5	246.6			
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2mm	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	8	0	1	1	1	0	0	11	2	0	1				
RECORDS FROM JANUARY 1947														RAINFALL	368.1 mm	SUNSHINE	852.3 hrs
WETTEST DAY DAY/YEAR	46.8mm 16th/1970	DRIEST MONTH YEAR	0.6mm 1976	LOWEST MIN DAY/YEAR	5.4°C 1st/1975	WARMEST MNTH YEAR	16.7°C 1976	SUNNIEST MNTH YEAR	355.3hrs 1975	RAIN DAYS	89	SUNLESS DAYS	42	WET DAYS	64		
WETTEST MNTH YEAR	129.7mm 1986	HIGHEST MAX DAY/YEAR	30.8°C 26th/1976	LOWEST GRASS DAY/YEAR	-3.0°C 14th/1987	COLDEST MNTH YEAR	11.3°C 1972	DULLEST MNTH YEAR	147.8hrs 1977								

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT JULY 2013

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	1021.2	16.3	11.6	14.0	11.3	15.9	14.4	260	10	9.1	19	TR	9.8	Cloudy, slt drzl. Tempo mist, fog patche. Bec fair, ocnl fine pm		
TUE	2	1012.6	15.4	10.7	13.1	8.1	16.0	14.4	120	13	8.4	22	1.6	NIL	Fair, dew bec cloudy. Ocnl mist. Slt drzl/rain pm. Mist bec thick fog		
WED	3	1011.8	16.2	12.6	14.4	12.9	15.8	14.5	270	18	16.9	29	0.3	5.7	Drzl, thick fog early bec mist. Bec fair pm. Drzl & fog later		
THU	4	1022.7	15.8	12.7	14.3	12.3	16.1	14.5	230	11	12.3	23	TR	0.1	Drzl & fog am. Mist pm. Fog evng		
FRI	5	1030.9	16.3	11.1	13.7	8.4	16.2	14.5	330	04	5.7	12	NIL	12.4	Fog early bec fog patches then fair. Bec fine pm, dew later		
SAT	6	1029.8	20.2	10.1	15.2	4.8	16.4	14.7	340	07	5.9	12	NIL	14.5	Fine, dew. Shallow fog, tempo thick fog. Fine, adjacent fog		
SUN	7	1031.2	22.7	11.7	17.2	7.7	17.1	14.8	050	12	10.1	22	NIL	14.0	Fine, mist or haze & dew early. Bec fair. Fine evng		
MON	8	1031.2	20.6	13.8	17.2	12.3	17.4	15.0	040	18	17.5	30	NIL	14.7	Fine		
TUE	9	1026.9	19.9	13.4	16.7	12.3	17.5	15.1	040	18	15.1	28	NIL	14.6	Fine		
WED	10	1023.5	19.9	12.9	16.4	8.4	17.3	15.2	040	20	15.5	31	NIL	14.6	Fine		
THU	11	1024.0	16.3	12.0	14.2	10.5	17.1	15.3	060	17	16.6	31	NIL	9.8	Fine bec cloudy. Fair late am, bec fine pm. Dew later		
FRI	12	1024.8	17.0	11.7	14.3	9.8	16.9	15.3	060	15	13.8	27	NIL	11.3	Fine, dew bec cloudy. Bec fair, fine again pm		
SAT	13	1025.6	23.2	12.0	17.6	8.1	17.3	15.5	040	07	6.1	13	NIL	14.1	Fine, dew. Tempo mist early		
SUN	14	1025.8	24.9	16.9	20.9	11.4	18.3	15.5	260	05	5.4	13	NIL	14.6	Fine, ocnl fair. Ocnl dry air		
MON	15	1025.0	24.3	15.1	19.7	9.5	18.7	15.6	360	05	5.3	13	NIL	13.8	Fine bec fair. Fog late		
TUE	16	1024.0	23.4	13.1	18.3	6.7	18.7	15.8	290	03	3.8	11	NIL	14.1	Fog early bec fair. Tempo adj. Fog		
WED	17	1025.1	23.9	14.7	19.3	10.4	18.9	16.1	010	03	6.3	15	NIL	14.7	Fair. Ocnl dry air. Bec fine by evng		
THU	18	1025.4	23.7	15.5	19.6	10.8	18.9	16.2	060	13	11.3	25	NIL	14.4	Fine. Tempo dry air		
FRI	19	1022.7	21.8	14.4	18.1	13.0	19.0	16.3	040	17	17.3	32	NIL	13.9	Fine, slt dew early. Bec fair pm. Fine evng		
SAT	20	1020.1	20.3	15.6	18.0	14.2	19.1	16.5	060	20	20.8	38	4.4	13.5	Fine. Bec fair late		
SUN	21	1017.1	24.7	15.0	19.9	14.1	19.1	16.5	050	13	12.7	25	0.3	11.5	T&L, tempo hvy shwr bec fair then fine. Bec cloudy evng, slt T&L		
MON	22	1017.1	21.0	14.9	18.0	12.4	19.4	16.6	240	08	6.6	15	NIL	4.5	Fair bec thick fog mid am. Bec fog patches. Ocnl fair pm		
TUE	23	1015.6	21.2	15.2	18.2	13.9	19.1	16.7	240	09	5.3	13	TR	9.3	Cloudy, mist. Fog patch mid am. Bec fair late am		
WED	24	1016.7	22.4	15.3	18.9	12.2	19.4	16.7	170	06	5.3	13	1.3	6.3	Cloudy bec fair late am. Cloudy late evng		
THU	25	1014.3	20.6	15.1	17.9	15.8	19.5	16.8	230	12	7.0	20	NIL	8.5	Cloudy, slt rain mid am, tempo mod rain. Ocnl thick fog bec fine		
FRI	26	1013.4	21.9	13.5	17.7	10.4	19.6	16.8	160	03	4.8	13	NIL	12.6	Cloudy bec fair or fine. Mist, shallow fog. Fair		
SAT	27	1007.5	21.8	14.3	18.1	13.0	19.2	17.0	090	08	7.0	17	17.9	2.1	Fair bec cloudy. Hvy shwrs pm bec slt rain		
SUN	28	1008.4	18.7	14.2	16.5	11.8	18.2	17.0	190	09	9.8	24	14.9	5.9	Fine, dew bec fair. Ocnl cloudy, shwrs		
MON	29	1014.2	19.4	15.4	17.4	14.2	18.1	16.9	200	12	12.8	29	8.7	8.9	Cloudy bec fair. Ocnl fine pm		
TUE	30	1015.2	17.3	15.1	16.2	14.2	18.3	16.9	210	13	14.5	31	1.0	NIL	Fair bec cloudy. Rain, ocnl mod rain am. Mist. Ocnl fog		
WED	31	1018.3	21.8	15.5	18.7	15.2	17.7	16.8	200	08	7.7	17	NIL	7.8	Cloudy bec fog, tempo drzl. Fair late am		
MEAN		1020.7	20.4	13.7	17.1	11.3	17.9	15.8	NE	10.9	10.2	TOTAL	50.4	312.0			
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 ≥0.2µm	WET ≥1.0µm	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	2	2	0	0	13	3	0	2				
RECORDS FROM JANUARY 1947														RAINFALL	418.5 mm	SUNSHINE	1164.3 hrs
WETTEST DAY	62.5mm	DRIEST MONTH	3.9mm	LOWEST MIN	8.3°C	WARMEST MNTH	19.4°C	SUNNIEST MNTH	335.9hrs	RAINFALL	98	SUNLESS DAYS	44				
DAY/YEAR	7th/2004	YEAR	1999	DAY/YEAR	8th/1954	YEAR	1983	YEAR	1959	WET DAYS	71						
WETTEST MNTH	120.2mm	HIGHEST MAX	31.7°C	LOWEST GRASS	1.0°C	COLDEST MNTH	13.8°C	DULLEST MNTH	167.7hrs								
YEAR	1960	DAY/YEAR	1st/1952	DAY/YEAR	7th/1996	YEAR	1954	YEAR	1972								

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT AUGUST 2013

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	<a href="#">1008.4</a>	<a href="#">26.0</a>	<a href="#">16.1</a>	<a href="#">21.1</a>	<a href="#">15.0</a>	18.9	<a href="#">16.7</a>	150	10	8.9	19	TR	<a href="#">14.0</a>	Fine, dew early. Fog patch pm. Cloudy late		
FRI	2	1009.8	21.3	15.9	18.6	14.9	19.3	16.8	180	07	7.4	19	7.0	9.1	Mainly cloudy bec fair. Ocnl cloudy pm, hvy shwr. Fog patch. Shwrs evng, lghtng		
SAT	3	1018.1	19.8	14.6	17.2	13.1	19.0	16.9	210	10	10.0	23	NIL	13.6	Fair, dew bec fine		
SUN	4	1020.7	21.7	14.7	18.2	13.1	19.0	17.0	180	10	7.6	18	2.0	8.2	Cloudy bec fine, dew. Fair. Mainly cloudy pm. Slr rain late		
MON	5	1012.0	19.6	15.8	17.7	14.7	19.0	17.0	140	09	12.5	<a href="#">32</a>	TR	4.8	Cloudy, ocnl slt rain. Tempo mod rain mid am bec fair. Cloudy pm		
TUE	6	1018.3	19.8	14.2	17.0	12.3	18.6	17.1	360	06	4.8	13	1.8	7.5	Fair or fine bec cloudy. Fair late am, ocnl cloudy pm		
WED	7	1012.6	17.7	13.8	15.8	12.8	18.6	17.1	020	04	5.8	16	0.3	0.2	Cloudy. Rain mid am. Tempo mod rain		
THU	8	1020.8	21.5	13.7	17.6	10.9	18.1	17.1	130	07	5.3	14	1.3	12.6	Cloudy bec fine then fair. Cloudy late evng		
FRI	9	1022.0	19.3	14.8	17.1	14.8	19.0	17.0	280	12	10.1	19	TR	11.0	Cloudy bec drzl & fog bec fair. Ocnl fine evng		
SAT	10	1025.6	19.0	13.0	16.0	<a href="#">7.8</a>	18.5	17.1	280	07	6.5	18	TR	4.9	Fair or fine, dew bec cloudy. Bec fair or fine pm. Cloudy evng		
SUN	11	1021.6	18.6	14.7	16.7	14.3	18.6	<a href="#">17.2</a>	230	09	7.1	14	0.6	4.4	Cloudy. Slr drzl/rain late am. Tempo fog early pm bec fair. Fine evng		
MON	12	1019.9	18.6	13.7	16.2	10.3	18.0	17.1	290	08	7.6	18	NIL	9.5	Cloudy, rain mid am bec fair. Fine by evng		
TUE	13	1024.8	19.7	12.7	16.2	8.7	17.9	17.1	350	04	5.1	15	NIL	11.1	Fair, dew early. Dry air late am		
WED	14	1025.5	19.5	13.4	16.5	8.8	18.0	17.0	240	07	7.0	19	TR	6.1	Fine, dew bec cloudy. Tempo slt rain am. Ocnl fair		
THU	15	1022.3	21.5	15.2	18.4	13.6	18.4	17.0	200	07	6.4	14	0.1	11.9	Cloudy bec fair. Fine pm. Fair later, dew		
FRI	16	1017.1	19.0	15.0	17.0	13.1	18.7	17.0	210	10	8.9	21	0.3	2.3	Bec cloudy. Ocnl slt rain/ drzl. Ocnl fog late am/early pm. Fine evng, dew		
SAT	17	1016.5	18.2	14.8	16.5	12.0	18.0	17.0	230	12	11.2	26	2.7	0.5	Fair, dew bec cloudy. slt rain midday. Tempo mod rain. Drzl/rain/fog late		
SUN	18	1013.3	20.1	15.1	17.6	13.3	17.8	17.0	260	10	10.7	24	NIL	10.1	Drzl/rain/fog early bec fine mid am. Ocnl fair		
MON	19	1022.4	19.3	13.6	16.5	10.9	17.8	16.9	310	09	7.5	16	NIL	12.6	Fine, dew early. Ocnl fair		
TUE	20	<a href="#">1029.7</a>	20.2	12.8	16.5	8.5	17.5	17.0	100	03	4.3	10	NIL	11.2	Fine, dew early. Ocnl fair		
WED	21	1025.7	21.8	<a href="#">12.3</a>	17.1	8.7	<a href="#">17.3</a>	16.9	---	<a href="#">00</a>	4.8	15	TR	11.4	Fine, dew early. Fair late am. Cloudy later, slt shwr		
THU	22	1018.7	23.5	15.2	19.4	12.4	18.0	16.8	100	11	9.3	17	NIL	12.5	Cloudy bec fair, then fine mid am.		
FRI	23	1014.0	24.0	15.8	19.9	14.1	18.7	16.9	170	10	7.4	18	3.0	6.7	Fine bec cloudy mid am. Fair again bec cloudy pm. Hvy shwr later		
SAT	24	1015.5	18.3	14.1	16.2	14.0	<a href="#">19.4</a>	17.0	300	<a href="#">19</a>	<a href="#">14.0</a>	29	<a href="#">9.1</a>	9.7	Cloudy bec fair. Ocnl fine. Cloudy late		
SUN	25	1014.1	<a href="#">16.9</a>	12.4	<a href="#">14.7</a>	12.0	17.7	17.0	350	09	7.1	21	TR	6.7	Cloudy, onl hvy rain early bec fair. Cloudy pm, tempo slt drzl. Fine		
B.HOL	26	1019.1	19.6	14.2	16.9	11.5	<a href="#">17.3</a>	17.0	040	08	6.2	18	TR	9.5	Fair or fine, mist or haze, dew. Bec cloudy then fair. Fine pm.		
TUE	27	1018.9	20.8	14.3	17.6	10.2	17.8	17.0	300	04	4.2	12	NIL	8.2	Fair, mist & dew. Ocnl cloudy. Slr shwr mid am. Tempo fog am. Haze		
WED	28	1023.7	21.1	13.8	17.5	8.6	17.8	16.9	040	04	<a href="#">3.9</a>	10	NIL	11.5	Fine, dew tempshallow fog, early		
THU	29	1024.8	20.4	13.3	16.9	8.4	17.6	16.9	300	04	4.0	12	NIL	8.0	Fair, dew. Ocnl cloudy am. Tempo fog. Bec mainly fair. Cloudy late		
FRI	30	1022.9	19.6	15.2	17.4	13.0	18.0	16.9	230	06	9.0	20	0.3	2.7	Cloudy bec drzl/ mist. Tempo mod drzl/fog patch late am. Tempo fair		
SAT	31	1026.6	18.2	14.4	16.3	14.8	18.0	17.0	350	11	8.0	18	NIL	11.7	Cloudy, slt drzl early bec fair mid am. Fine evng		
MEAN		1019.5	20.1	14.3	17.2	12.0	18.3	17.0	SW	8.0	9.0	TOTAL	28.5	264.2			
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 ≥0.2µm	WET ≥1.0µm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		11	7	0	0	0	0	0	0	0	10	0	0	0			
RECORDS FROM JANUARY 1947														RAINFALL	447.0 mm	SUNSHINE	1428.5 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	109	SUNLESS DAYS	44	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 GUERNSEY AIRPORT SEPTEMBER 2013

DAY	DATE	BAROMETER	TEMPERATURE deg C					WIND				RAIN	SUN	WEATHER			
			mb	AIR			GRASS	SOIL		DIR'N	SPEED(knots)						
				at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.				9a.m.	MEAN	MAX
SUN	1	<b>1033.0</b>	18.6	11.8	15.2	7.1	17.2	<b>17.0</b>	020	05	5.2	16	NIL	11.1	Fine bec fair		
MON	2	1030.8	18.0	12.8	15.4	9.1	17.1	16.9	320	10	7.4	18	TR	<b>11.7</b>	Mainly fair, dew early & late		
TUE	3	1028.3	20.3	13.0	16.7	8.0	16.9	16.9	160	<b>01</b>	3.5	12	TR	9.6	Fine, dew. Shallow fog, fog patch mid am. Fog evng		
WED	4	1022.0	<b>25.2</b>	11.8	18.5	9.5	17.2	16.7	070	03	4.8	13	NIL	8.3	Fog bec fine late am. Ocnl dry air		
THU	5	1014.0	21.6	13.9	17.8	11.3	<b>17.9</b>	16.7	320	10	6.5	18	2.6	7.3	Fine, dew bec mist. Tempo thick fog am bec fine. Cloudy later		
FRI	6	1010.9	17.7	13.0	15.4	12.0	17.6	16.7	290	10	11.3	24	1.7	6.7	Cloudy, rain early, tempo hvy rain. Ocnl fair or fine. Shwrs pm		
SAT	7	1015.6	16.2	11.1	13.7	9.6	16.5	16.8	250	12	10.3	24	6.6	9.8	Shwrs early bec fair. Fine by evng		
SUN	8	1020.5	15.3	<b>10.5</b>	12.9	<b>4.9</b>	15.6	16.7	210	04	9.4	22	4.2	2.1	Fine bec cloudy. Hvy shwr mid am. Shwrs. Tempo fair pm		
MON	9	1014.7	17.7	12.7	15.2	11.5	15.7	16.6	250	16	13.3	25	0.1	5.1	Cloudy, rain/drzl. Tempo fog mid am. Bec fair pm		
TUE	10	1024.2	17.1	13.1	15.1	10.0	15.7	16.3	340	11	11.3	23	NIL	10.8	Fine bec fair. Ocnl cloudy late		
WED	11	1025.1	16.4	13.1	14.8	10.0	15.7	16.3	350	07	8.6	17	2.4	1.0	Fair bec cloudy. Rain/drzl later		
THU	12	1021.1	19.6	13.3	16.5	13.3	16.1	16.2	330	05	8.0	21	0.3	2.6	Cloudy, slt drzl early. Mist. Drzl evng, tempo fog		
FRI	13	1021.4	17.0	14.8	15.9	15.2	16.9	16.1	280	13	15.2	30	4.7	0.1	Drzl/rain bec fog, then cloudy, mist. Rain late evng. Mod rain		
SAT	14	1018.0	15.9	11.9	13.9	9.9	16.1	16.2	340	08	9.5	21	NIL	7.3	Cloudy bec fair, ocnl cloudy. Ocnl fine pm		
SUN	15	1017.1	15.9	<b>10.5</b>	13.2	<b>4.9</b>	15.2	16.3	240	14	15.1	35	7.9	2.4	Fine bec fair then cloudy. Drzl/rain pm. Tempo hvy rain evng. Fog		
MON	16	1008.6	<b>14.9</b>	10.8	<b>12.9</b>	8.8	14.9	16.1	280	12	16.5	38	0.8	5.4	Fair, ocnl cloudy. Slt shwrs. Hvy shwr late evng		
TUE	17	1007.2	16.1	<b>10.5</b>	13.3	8.8	<b>14.4</b>	15.9	250	13	<b>20.1</b>	<b>43</b>	0.8	NIL	Cloudy, drzl/rain. Fog patch late am		
WED	18	1005.9	16.4	12.7	14.6	12.4	15.0	15.7	280	<b>17</b>	14.9	34	TR	5.9	Cloudy, slt shwrs. Fair pm bec fine		
THU	19	1014.7	16.2	12.0	14.1	8.9	14.7	15.6	240	13	13.1	28	3.0	0.2	Fair bec cloudy. Slt drzl late am. Drzl/rain pm, tempo fog. Hvy rain		
FRI	20	1020.2	16.9	11.3	14.1	6.7	14.6	15.5	310	08	5.7	18	NIL	3.4	Fair or fine bec cloudy. Fair evng		
SAT	21	1025.7	17.2	11.3	14.3	8.4	14.7	15.5	200	10	5.9	14	0.6	NIL	Cloudy. Drzl/rain pm. Bec fog. Ocnl thick fog		
SUN	22	1029.5	20.6	15.6	18.1	15.1	15.7	<b>15.4</b>	160	02	5.1	18	0.1	5.4	Fog early, ocnl drzl. Fog patches. Fair pm. Ocnl fine evng		
MON	23	1024.8	18.6	14.0	16.3	10.7	16.3	<b>15.4</b>	080	09	8.7	19	TR	4.2	Fair, dew. Ocnl fog early. Bec fine pm		
TUE	24	1015.6	21.4	14.4	17.9	11.7	16.1	15.6	120	08	5.7	14	TR	10.0	Fine, dew early. Fair by evng bec cloudy later, slt shwr		
WED	25	1011.0	20.7	14.7	17.7	12.6	16.6	15.6	090	03	<b>3.1</b>	10	0.6	3.0	Cloudy bec fair. Tempo fog mid am. Mainly cloudy. Slt shwrs pm		
THU	26	1014.8	20.6	14.6	17.6	12.4	16.9	15.8	100	07	7.1	18	NIL	3.3	Fog. Shwrs early. Fog bec fair. Cloudy pm. Mist later		
FRI	27	1012.5	21.2	15.9	<b>18.6</b>	14.9	16.9	15.8	080	13	13.5	26	0.2	5.0	Cloudy, mist or haze bec fair. Ocnl cloudy. Slt T&L late		
SAT	28	1004.3	19.2	<b>16.7</b>	18.0	15.2	17.1	15.8	090	13	10.1	23	<b>23.7</b>	NIL	Cloudy. Shwrs or T&L. Tempo hvy rain. Hvy rain evng		
SUN	29	<b>1003.8</b>	17.8	15.3	16.6	<b>16.0</b>	17.2	16.0	080	05	6.4	15	TR	0.1	Cloudy, slt shwrs early. Mist bec haze. Mist later		
MON	30	1004.4	18.4	14.5	16.5	13.6	16.9	16.0	120	03	5.5	16	NIL	3.2	Cloudy, mist bec haze. Tempo fog pm. Fine by evng. Cloudy later		
MEAN		1017.3	18.3	13.1	15.7	10.8	16.2	16.1	E	8.8	9.4	TOTAL	60.3	145.0			
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 ≥0.2µm	WET ≥1.0µm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		15	9	0	0	2	2	0	0	15	4	0	3				
RECORDS FROM JANUARY 1947														RAINFALL	507.3 mm	SUNSHINE	1573.5 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	124	SUNLESS DAYS	47	WET DAYS	87		
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								

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT OCTOBER 2013

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
TUE	1	1006.2	17.3	15.6	16.5	14.2	16.9	16.0	150	11	9.3	19	1.8	0.2	Cloudy, mist am. T&L evng, mod rain		
WED	2	1009.1	18.9	15.5	17.2	14.2	16.6	16.0	160	11	8.4	18	4.0	5.6	Cloudy, ocnl fine early, dew. Mist. Ocnl fair		
THU	3	1003.5	20.2	16.4	18.3	15.2	16.8	16.0	130	13	11.9	28	3.8	3.7	Cloudy, shwrs mid am. Tempo hvy shwrs. Ocnl fair pm. Slt rain late		
FRI	4	1012.0	18.6	14.7	16.7	15.6	16.9	16.0	220	14	13.0	33	NIL	4.0	Hvy shwr mid am. Cloudy. Fair pm. Dew later		
SAT	5	1022.5	17.4	13.4	15.4	12.6	16.6	16.1	290	09	7.7	17	NIL	7.6	Fair, dew. Tempo cloudy early. Cloudy by evng		
SUN	6	1026.9	17.6	12.6	15.1	10.3	16.2	16.1	240	04	4.0	12	TR	6.5	Cloudy bec fair. Ocnl cloudy. Tempo shallow fog late		
MON	7	1027.4	17.7	11.3	14.5	9.5	15.8	16.0	170	06	3.1	11	NIL	9.9	Ocnl thick fog early bec fair or fine. Dew late evng		
TUE	8	1027.9	17.2	12.9	15.1	8.2	15.7	15.9	280	04	6.2	14	2.1	5.7	Fair, dew. Ocnl cloudy am. Cloudy late evng, slt shwr		
WED	9	1024.4	15.8	12.6	14.2	13.3	16.3	15.9	290	07	10.7	26	NIL	2.9	Cloudy. Rain/drzl mid am. Ocnl fair		
THU	10	1022.4	13.3	10.1	11.7	8.2	14.8	15.9	360	13	12.6	25	0.2	8.1	Mainly fair		
FRI	11	1017.0	13.6	9.1	11.4	7.5	13.8	15.7	010	14	16.0	38	7.0	0.9	Cloudy, shwrs. Rain/drzl pm. Tempo hvy rain evng		
SAT	12	1016.5	13.6	10.0	11.8	10.0	13.8	15.4	080	17	11.8	37	TR	7.1	Cloudy, slt rain early bec fair		
SUN	13	1015.8	13.1	9.2	11.2	5.7	13.5	15.3	270	12	12.2	27	12.9	0.1	Fair bec cloudy. Shwrs evng bec rain. Tempo hvy rain		
MON	14	1012.0	13.2	10.6	11.9	10.0	13.5	15.1	280	11	11.4	25	3.2	1.5	Cloudy, rain. Tempo hvy rain. Ocnl fair pm		
TUE	15	1011.1	14.6	9.4	12.0	4.5	12.6	14.9	110	02	5.3	18	14.4	0.2	Fine bec cloudy. Ocnl fair evng		
WED	16	1007.7	16.6	11.4	14.0	8.9	13.1	14.7	190	15	17.9	34	1.3	6.4	Rain or drzl. Ocnl hvy rain. Fog patch am. Fair or fine pm		
THU	17	1017.2	17.5	13.8	15.7	12.9	14.0	14.5	240	15	11.8	27	0.1	4.0	Cloudy. Ocnl fair pm. Mist evng, dew. Shwr later		
FRI	18	1013.0	16.2	13.8	15.0	10.2	14.3	14.6	130	15	11.7	27	4.2	1.3	Fine, dew bec cloudy. Rain evng. Tempo hvy rain		
SAT	19	1006.1	17.0	14.9	16.0	13.4	14.5	14.6	170	10	12.3	30	4.8	4.2	Cloudy. Rain mid am bec fair late am. Fine by evng		
SUN	20	1006.6	16.3	12.0	14.2	10.9	14.3	14.5	180	15	15.7	39	4.9	4.6	Fine bec cloudy. Lghtng. Hvy shwrs mid & late am. Fair or fine pm		
MON	21	1007.2	17.7	15.0	16.4	13.3	14.4	14.6	180	17	15.0	27	2.5	3.2	Cloudy, Slt rain/shwrs. Ocnl fair		
TUE	22	997.4	18.2	15.0	16.6	14.3	14.9	14.6	170	14	14.9	36	5.6	5.2	Rain bec fair late am. Fair or fine pm. Shwrs evng. T&L, hvy rain		
WED	23	1001.6	16.2	12.2	14.2	12.9	14.9	14.7	250	21	15.6	40	TR	8.5	Mainly cloudy, shwrs bec fair. Bec fine pm		
THU	24	1013.4	16.8	12.2	14.5	8.5	14.3	14.8	150	11	12.8	30	7.1	0.3	Fine, dew bec cloudy. Fog patch am. Rain late evng. Mod/hvy rain		
FRI	25	1005.7	17.6	14.8	16.2	13.5	14.7	14.7	170	12	13.0	34	NIL	3.8	Cloudy, rain early. Ocnl fair		
SAT	26	1009.6	17.5	14.6	16.1	12.0	14.8	14.7	200	19	17.6	38	10.4	4.5	Fine bec fair to cloudy. Rain later, tempo hvy rain		
SUN	27	1002.3	15.6	11.4	13.5	10.2	14.4	14.7	230	28	25.3	47	17.0	2.4	Rain early, tempo hvy rain. Shwrs. Rain pm. Hvy rain evng		
MON	28	998.7	16.6	9.1	12.9	10.1	14.0	14.8	250	27	27.0	63	6.3	5.2	Rain & gale early. Shwrs, tempo hvy shwrs. Ocnl fair		
TUE	29	1014.7	12.9	8.8	10.9	5.7	13.0	14.6	280	10	14.9	35	0.3	6.9	Shwrs, tempo hvy shwr mid am, small hail. Bec fair, ocnl fine pm		
WED	30	1023.9	14.3	10.0	12.1	6.7	12.5	14.5	220	11	13.0	29	4.2	4.8	Cloudy, ocnl fair. Shwrs early. Cloudy evng. Rain late		
THU	31	1019.5	13.8	11.0	12.4	10.7	13.0	14.2	280	09	15.0	31	4.5	NIL	Cloudy, rain bec rain/drzl. Cloudy pm. Rain late evng		
MEAN		1012.9	16.2	12.4	14.3	10.7	14.7	15.2	S	12.8	12.8	TOTAL	122.6	129.3			
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 ≥0.2µm	WET ≥1.0µm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		22	20	0	1	2	4	0	0	3	1	1	1				
RECORDS FROM JANUARY 1947														RAINFALL	629.9 mm	SUNSHINE	1702.8 hrs
WETTEST DAY	46.2mm	DRIEST MONTH	3.4mm	LOWEST MIN	3.5°C	WARMEST MNTH	15.2	SUNNIEST MNTH	176.4hrs	RAIN DAYS	146	SUNLESS DAYS	48				
DAY/YEAR	7th/1987	YEAR	1978	DAY/YEAR	28th/2003	YEAR	2001/06	YEAR	1971	WET DAYS	107						
WETTEST MNTH	233.9mm	HIGHEST MAX	23.6°C	LOWEST GRASS	-4.0°C	COLDEST MNTH	9.6°C	DULLEST MNTH	72.6hrs								
YEAR	1960	DAY/YEAR	1st/2011	DAY/YEAR	30th/1983	YEAR	1974	YEAR	1968								

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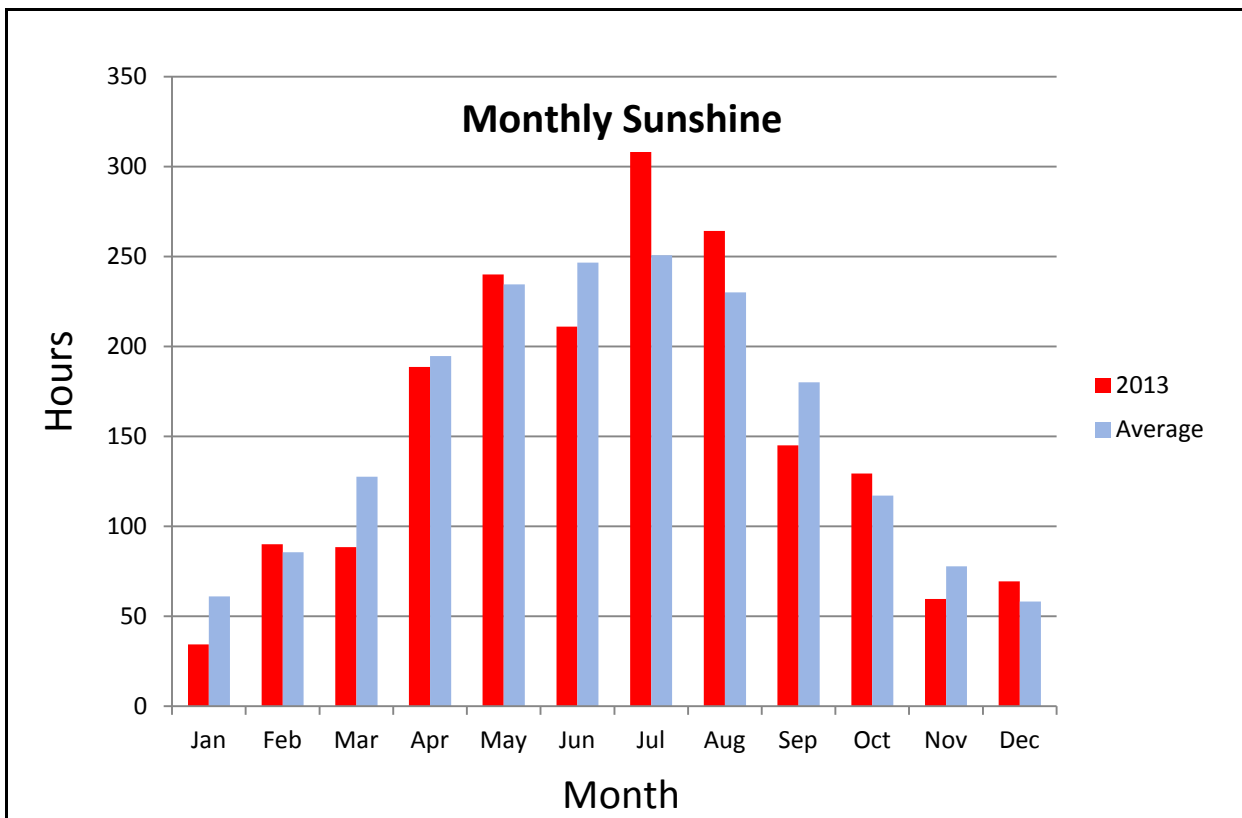
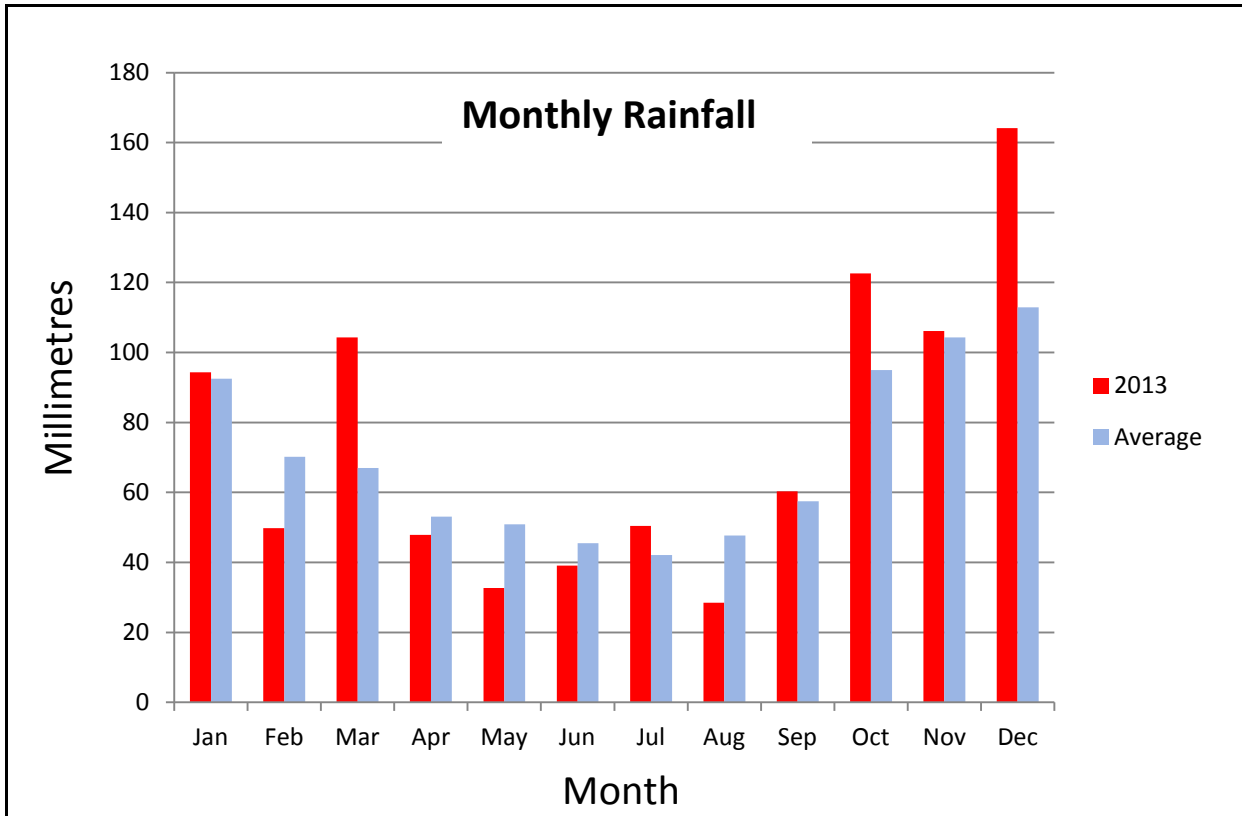
DAY	DATE	BAROMETER	TEMPERATURE deg C					WIND				RAIN	SUN	WEATHER						
			mb	AIR			GRASS	SOIL		DIR'N	SPEED(knots)									
				at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.				9a.m.	MEAN	MAX	mm	hrs	
FRI	1	1013.8	<u>15.4</u>	11.6	<u>13.5</u>	10.4	13.1	<u>14.2</u>	190	14	14.0	26	11.4	NIL	Rain, ocnl mod rain.early & by evng. Tempo hvy rain. Fog patches					
SAT	2	1004.9	<u>15.4</u>	9.1	12.3	11.7	<u>13.3</u>	14.0	240	18	19.6	50	1.6	2.5	Drzl & fog early. Slt shwrs. Tempo fair. Shwrs evng, small hail					
SUN	3	1008.7	14.1	8.6	11.4	6.6	12.3	13.9	250	<u>24</u>	23.5	48	11.4	3.2	Fair, ocnl cloudy am, shwrs. Bec rain pm. Tempo hvy rain evng					
MON	4	<u>994.9</u>	14.3	7.8	11.1	8.3	12.2	13.9	340	14	14.0	<u>52</u>	5.1	6.1	Cloudy, tempo gale early. Hvy rain bec shwrs. Fair late am. Fine pm					
TUE	5	997.8	13.5	10.2	11.9	4.9	12.1	13.7	280	22	19.2	38	3.5	1.2	Rain, tempo hvy rain early. Shwrs late am. Drzl/rain late evng. Mist					
WED	6	1005.9	15.1	<u>11.9</u>	<u>13.5</u>	10.9	12.6	13.6	240	22	<u>23.6</u>	40	8.1	0.5	Cloudy, ocnl drzl/rain am. Drzl late evng					
THU	7	1009.7	14.6	10.0	12.3	10.8	13.1	13.5	280	05	6.5	32	4.6	NIL	Drzl/rain bec rain until early pm. Tempo hvy rain early. Fine late					
FRI	8	1006.6	11.9	8.2	10.1	5.1	12.0	13.5	190	12	12.1	37	8.0	0.2	Fine bec cloudy. Shwry rain late am & pm. Tempo hvy rain early pm					
SAT	9	1007.7	11.8	8.1	9.9	6.0	11.2	13.3	210	18	17.3	<u>52</u>	18.7	3.7	Shwrs then rain/shwrs. Ocnl fair. Rain late evng, hvy rain. Gale					
SUN	10	1017.4	13.5	9.0	11.3	7.7	11.3	13.2	330	14	9.7	27	<u>18.8</u>	4.0	Cloudy bec fair. Mainly cloudy pm. Rain late evng					
MON	11	1023.4	14.0	9.6	11.8	8.3	11.5	13.1	200	14	13.4	24	6.7	NIL	Hvy rain early bec drzl/rain. Bec fog, tempo thick fog late am					
TUE	12	1025.7	13.9	10.8	12.4	<u>12.7</u>	12.2	12.9	340	15	11.4	25	0.3	0.2	Fog, thick fog early. Ocnl drzl am. Fair late					
WED	13	1036.0	12.2	7.2	9.7	4.4	11.3	12.9	080	02	5.9	26	0.5	6.6	Fine, slt dew early bec fair. Cloudy late evng, slt shwrs					
THU	14	1027.9	11.2	9.1	10.2	7.0	11.0	12.9	310	20	18.5	36	NIL	5.9	Shwrs early bec fair. Slt shwr pm. Cloudy late evng					
FRI	15	1033.4	9.7	7.8	8.8	4.2	10.4	12.8	010	12	11.4	27	NIL	<u>7.7</u>	Fair bec fine. Fair evng, ocnl cloudy					
SAT	16	1033.5	11.5	8.0	9.8	2.9	10.1	12.6	050	03	4.7	13	NIL	0.8	Fair or fine, slt dew bec cloudy					
SUN	17	1025.6	10.7	9.1	9.9	3.9	10.4	12.5	090	06	4.2	13	0.5	NIL	Cloudy. Slt rain evng					
MON	18	1012.5	10.2	8.1	9.2	7.5	10.7	12.4	200	06	7.7	34	1.1	NIL	Cloudy. Drzl am. Drzl/ rsin evng					
TUE	19	1015.0	9.6	<u>3.9</u>	<u>6.7</u>	4.2	10.0	12.2	320	16	13.5	30	0.9	4.7	Fair, ocnl cloudy. Shwrs, tempo small hail					
WED	20	1012.2	10.8	5.0	7.9	<u>1.2</u>	9.3	12.2	260	21	18.2	<u>52</u>	3.7	0.4	Bec cloudy. Showery rain. Squally shwrs. Fair by evng. Small hail					
THU	21	1002.1	8.3	5.3	6.8	3.8	9.1	12.0	340	20	19.0	44	0.2	1.2	Mainly cloudy. Shwrs. Small hail early					
FRI	22	1017.0	8.2	5.9	7.1	2.7	8.8	11.8	020	11	13.0	27	NIL	3.2	Fair bec cloudy, slt shwrs. Small hail early. Ocnl fair					
SAT	23	1024.0	8.6	6.9	7.7	4.3	8.8	11.6	020	10	9.7	24	TR	4.0	Fair, ocnl cloudy. Cloudy evng					
SUN	24	1029.6	8.9	6.6	7.7	3.5	8.8	11.4	020	07	8.6	20	NIL	NIL	Cloudy, slt shwr early					
MON	25	1037.7	8.8	6.8	7.8	5.8	8.7	11.3	030	08	7.8	18	NIL	NIL	Cloudy					
TUE	26	<u>1040.5</u>	<u>8.0</u>	6.5	7.3	5.3	<u>8.6</u>	11.2	030	05	6.1	15	TR	2.2	Cloudy. Ocnl fair early afternoon					
WED	27	1035.4	9.6	6.8	8.2	5.2	8.7	11.1	010	06	4.8	15	0.8	NIL	Cloudy. Drzl mid am. Ocnl drzl/rain. Tempo mist					
THU	28	1036.1	9.8	8.4	9.1	7.2	9.0	<u>10.9</u>	---	<u>00</u>	<u>2.5</u>	12	0.2	NIL	Cloudy, slt drzl early am & early pm					
FRI	29	1032.8	10.9	8.8	9.9	7.5	9.3	<u>10.9</u>	300	07	11.6	31	TR	0.1	Cloudy. Tempo slt drzl. Slt shwr evng					
SAT	30	1028.0	9.4	6.9	8.1	4.8	9.1	<u>10.9</u>	010	12	10.3	30	NIL	1.3	Fair bec mainly cloudy. Tempo fair evng					
MEAN		1019.9	11.5	8.1	9.8	6.3	10.6	12.5	N	12.1	12.1	TOTAL	106.1	59.7						
30 YEAR AVE. 1981-2010		1015.3	11.8	8.1	9.9	5.3	10.5	12.1	SW	12.8	13.0	////	104.3	77.8						
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2µm	WET ≥1.0µm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE						
		20	13	0	6	0	0	0	0	4	1	2	9							
RECORDS FROM JANUARY 1947														RAINFALL		736.0 mm	SUNSHINE		1762.5 hrs	
WETTEST DAY	39.4mm	DRIEST MONTH		16.1mm	LOWEST MIN		-0.8°C	WARMEST MNTH		12.0°C	SUNNIEST MNTH		123.6hrs	RAIN DAYS		166	SUNLESS DAYS		57	
DAY/YEAR	15th/1975	YEAR		1978	DAY/YEAR		28th/2010	YEAR		994,2011	YEAR		2006	WET DAYS		120				
WETTEST MNTH	234.7mm	HIGHEST MAX		16.8°C	LOWEST GRASS		-5.6°C	COLDEST MNTH		7.7°C	DULLEST MNTH		35.9hrs							
YEAR	2009	DAY/YEAR		1st/99,8th/05	DAY/YEAR		29th/1987	YEAR		1993	YEAR		1994							

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT DECEMBER 2013

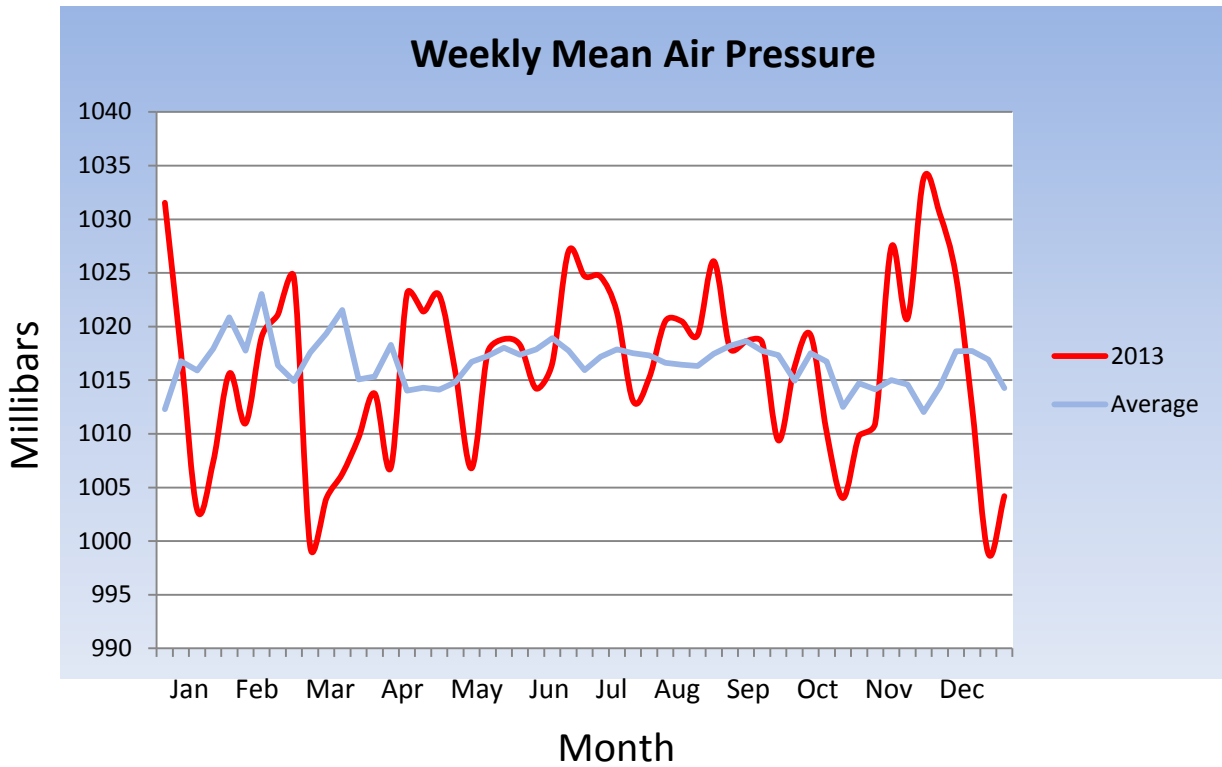
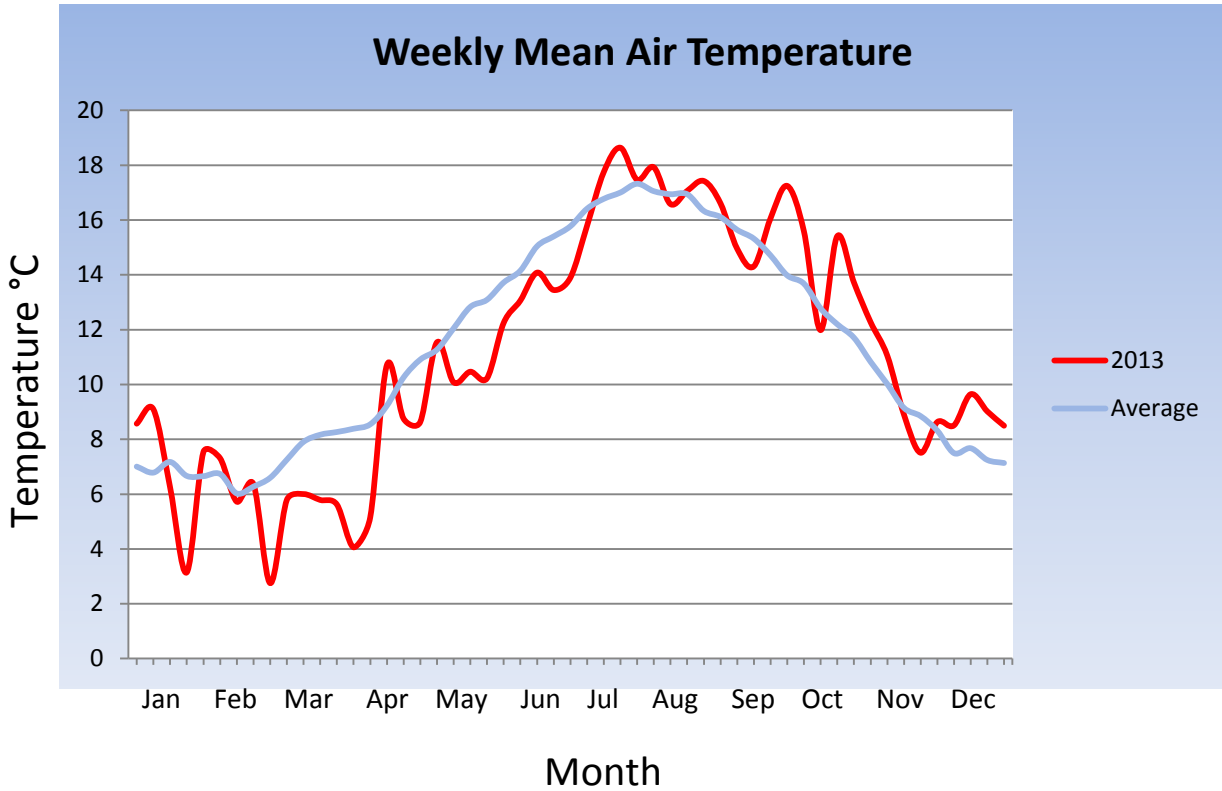
DAY	DATE	BAROMETER mb	TEMPERATURE deg C					WIND				RAIN mm	SUN hrs	WEATHER			
			AIR			GRASS	SOIL		DIR'N	SPEED(knots)							
			at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.				MEAN	MAX	
SUN	1	<b>1033.9</b>	9.1	5.6	7.4	-1.0	8.5	<b>10.8</b>	030	<b>03</b>	5.0	15	NIL	2.0	Fair or fine bec cloudy late am		
MON	2	<b>1033.6</b>	9.8	8.1	9.0	6.9	8.8	<b>10.8</b>	090	11	8.8	20	NIL	0.6	Mainly cloudy		
TUE	3	1030.1	<b>8.7</b>	7.2	8.0	6.3	8.9	10.7	140	05	<b>4.7</b>	11	TR	NIL	Cloudy		
WED	4	1030.9	11.7	6.5	9.1	2.2	8.9	10.7	270	<b>03</b>	6.7	21	1.0	0.1	Cloudy, tempo slt rain mid am. Rain early pm. Bec fair evng		
THU	5	1031.7	10.8	4.8	7.8	<b>-1.7</b>	8.5	10.6	270	15	14.9	37	0.9	4.0	Fair or fine bec fair to cloudy. Bec cloudy pm. Mod rain later		
FRI	6	1032.2	10.9	7.8	9.4	5.3	8.7	10.6	320	10	10.0	28	0.3	7.0	Fair or fine. Bec cloudy by evng. Shwrs		
SAT	7	1030.2	9.9	8.9	9.4	6.3	8.7	10.5	280	06	6.9	19	TR	NIL	Cloudy, slt shwrs pm		
SUN	8	1028.5	10.8	7.9	9.4	3.8	8.8	10.5	220	12	8.8	19	NIL	5.6	Cloudy bec fine, dew. Cloudy again, funnel cloud. Fine by midday		
MON	9	1030.7	8.9	5.5	7.2	-0.9	8.2	10.4	140	08	7.6	18	NIL	<b>7.6</b>	Fine, dew early & late		
TUE	10	1031.5	10.0	6.7	8.4	1.7	8.0	10.4	190	10	9.3	17	NIL	3.3	Fine, dew bec cloudy. Bec fine pm		
WED	11	1028.5	9.7	6.6	8.2	3.9	<b>7.9</b>	10.3	140	12	13.2	22	TR	4.6	Fine, dew bec fair. Fine late, dew		
THU	12	1026.2	9.3	7.5	8.4	5.0	<b>7.9</b>	10.2	150	12	12.1	20	TR	0.6	Fine, dew bec haze then fair to cloudy, mist. Fog patches late am		
FRI	13	1020.8	11.5	8.9	10.2	7.7	8.5	10.1	160	14	13.5	37	3.9	NIL	Cloudy ocnl slt rain am. Rain, mist pm, tempo hvy rain. Bec fair evng		
SAT	14	1028.6	11.3	8.7	10.0	6.2	8.5	10.1	210	14	17.1	35	4.1	0.8	Fair bec cloudy. Rain late, tempo hvy rain		
SUN	15	1023.1	<b>12.6</b>	<b>10.2</b>	<b>11.4</b>	8.7	9.1	10.1	170	16	16.3	31	2.7	NIL	Slr rain bec drzl/rain. Ocnl fog mid am. Rain/drzl later		
MON	16	1019.0	12.4	8.2	10.3	<b>10.1</b>	<b>9.8</b>	10.1	200	19	14.6	32	24.5	NIL	Ocnl rain or drzl. Bec rain. Drzl & mist. Mod rain/drzl. Fog patch		
TUE	17	1023.4	9.0	6.6	7.8	6.0	9.7	10.2	070	09	8.9	24	5.4	NIL	Rain/drzl. Ocnl mod rain/drzl. Tempo mist by evng. Fair late		
WED	18	1014.7	10.9	8.0	9.5	5.3	9.2	10.3	190	19	20.8	49	12.8	0.5	Fair bec cloudy. Bec rain pm, tempo hvy rain, mist. Brief gale		
THU	19	1005.6	10.9	5.5	8.2	3.1	9.0	10.3	280	08	14.8	41	3.7	3.7	Fair, shwrs, tempo hail. Cloudy pm. Tempo hvy shwrs		
FRI	20	1024.8	10.4	6.8	8.6	3.7	8.5	10.3	250	14	18.4	37	4.0	5.7	Mainly fair or fine. Slt shwr early. Cloudy by evng		
SAT	21	1018.4	12.2	9.9	11.1	7.7	8.8	10.2	190	21	22.0	38	14.8	NIL	Rain. Ocnl mod rain. Tempo hvy rain. Mist pm, tempo fog patches		
SUN	22	1012.9	11.7	7.0	9.4	7.4	9.2	10.0	230	20	20.0	40	1.3	2.1	Cloudy, tempo fair. Shwrs		
MON	23	1005.9	11.7	8.4	10.1	4.9	9.0	10.0	170	22	<b>25.2</b>	<b>55</b>	<b>33.0</b>	NIL	Cloudy. Rain late am. Mod rain pm. Tempo hvy rain evng. Gales		
TUE	24	<b>983.3</b>	11.8	6.6	9.2	7.2	9.4	10.1	220	23	21.1	49	11.6	1.3	Rain. Mod, tempo hvy rain early. Shwrs late am. Small hail late pm		
XMAS	25	985.6	8.8	<b>4.6</b>	<b>6.7</b>	1.1	8.5	10.1	190	14	14.2	41	3.8	2.5	Hvy shwrs early, hail. Ocnl fair. Shwrs		
B.DAY	26	998.7	9.6	5.6	7.6	2.8	8.1	10.0	270	13	14.4	40	11.7	4.6	Fair, ocnl cloudy, shwrs. Tempo small hail. Rain evng, mod rain		
FRI	27	990.2	12.3	7.6	10.0	5.3	8.6	10.0	220	25	19.8	39	0.4	NIL	Rain/drzl. Fog patch early. Hvy rain mid am. Cloudy, tempo slt rain		
SAT	28	999.2	9.5	5.6	7.6	4.0	8.4	9.8	240	14	15.3	38	7.4	3.2	Fair to cloudy, shwrs. Hvy shwr early pm		
SUN	29	1018.5	9.8	5.5	7.7	0.1	8.0	9.8	290	07	12.3	31	0.3	5.5	Shwrs to mid am, then fair or fine. Cloudy by evng		
MON	30	1008.5	11.0	8.4	9.7	5.1	8.3	9.8	170	<b>29</b>	19.2	45	4.7	3.6	Cloudy, slt rain. Mod rain late am. Fair or fine pm		
TUE	31	1003.7	10.7	5.9	8.3	5.6	8.5	<b>9.7</b>	250	20	17.5	37	11.8	0.6	Hvy rain/fog patch early. Hvy rain mid-morn		
MEAN		1017.8	10.6	7.1	8.9	4.5	8.7	10.2	S	13.8	14.0	TOTAL	164.1	69.5			
30 YEAR AVE. 1981-2010		1016.4	9.5	6.0	7.7	3.4	8.0	9.6	SW	13.5	13.7	////	112.9	58.2			
EXTREMES ARE IN BOLD TYPE	NUMBER OF DAYS WITH	RAIN ≥0.2mm	WET ≥1.0mm	SNOW/ SLEET	HAIL	THNDER	LGHTNG	AIR FROST	GROUND FROST	FOG	FOG 9a.m.	GALE	NO SUN	TOTALS FOR YEAR TO DATE			
		22	18	0	7	1	2	0	3	6	0	2	9				
RECORDS FROM JANUARY 1947														RAINFALL ##### mm		SUNSHINE 69.5 hrs	
WETTEST DAY	42.9	DRIEST MONTH		28.1mm	LOWEST MIN		-3.8°C	WARMEST MNTH		10.1°C	SUNNIEST MNTH		108.9hrs	RAIN DAYS 758		SUNLESS DAYS 1771.5	
DAY/YEAR	4th/2010	YEAR		1953	DAY/YEAR		24th/1963	YEAR		1953	YEAR		2001	WET DAYS 184			
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					



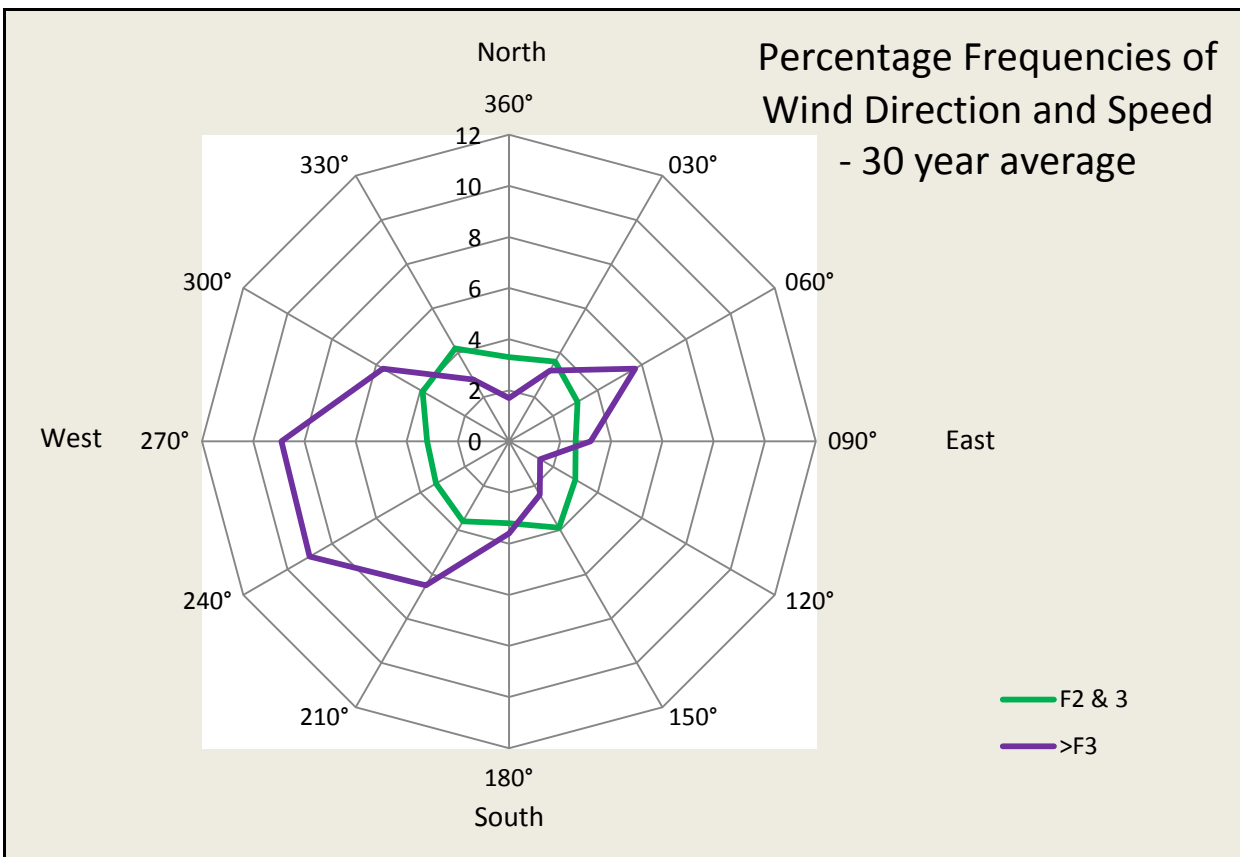
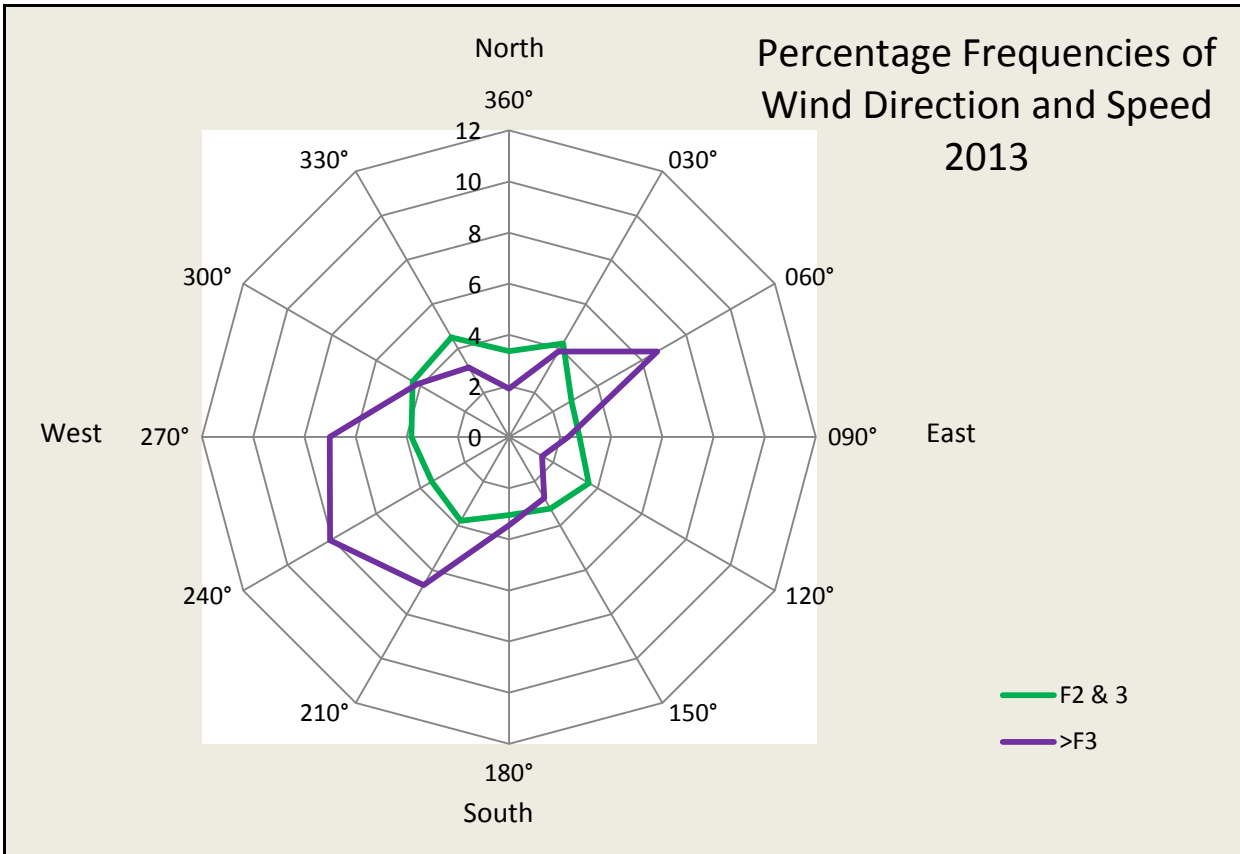
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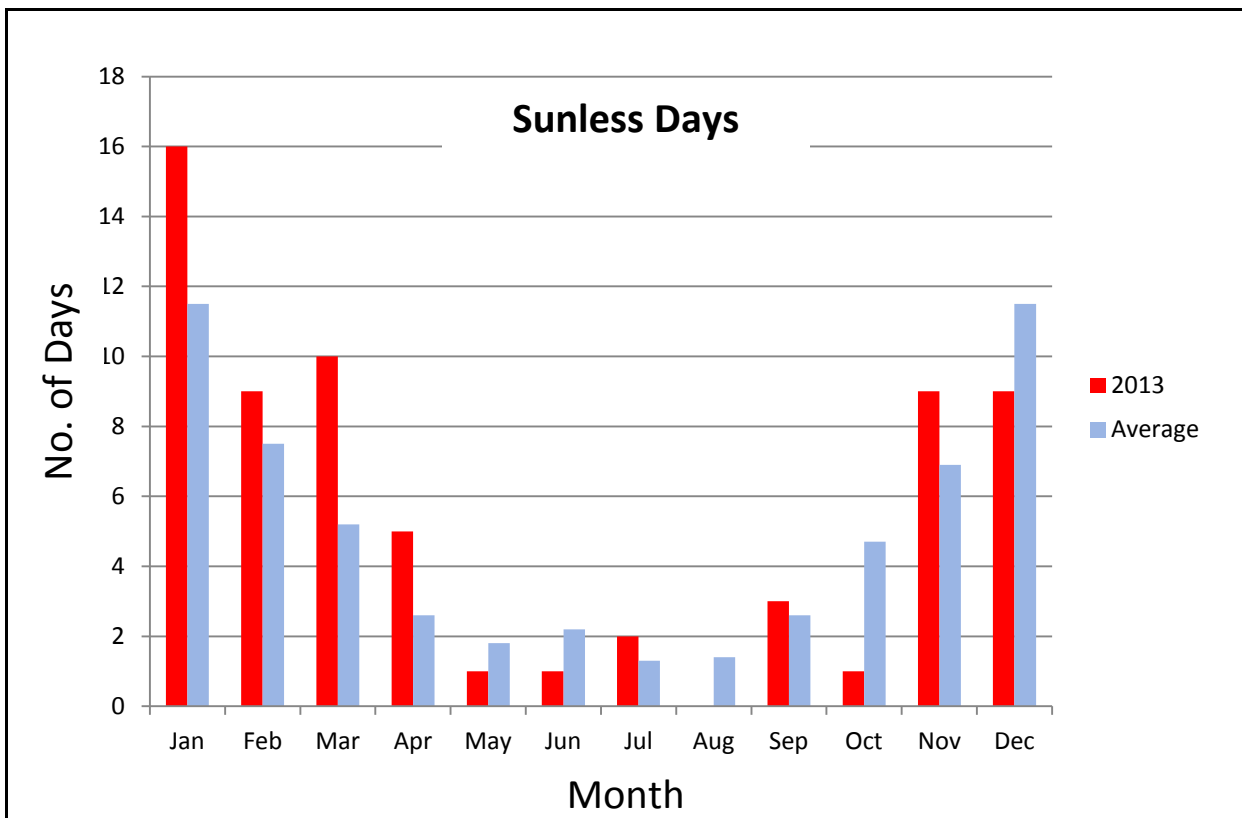
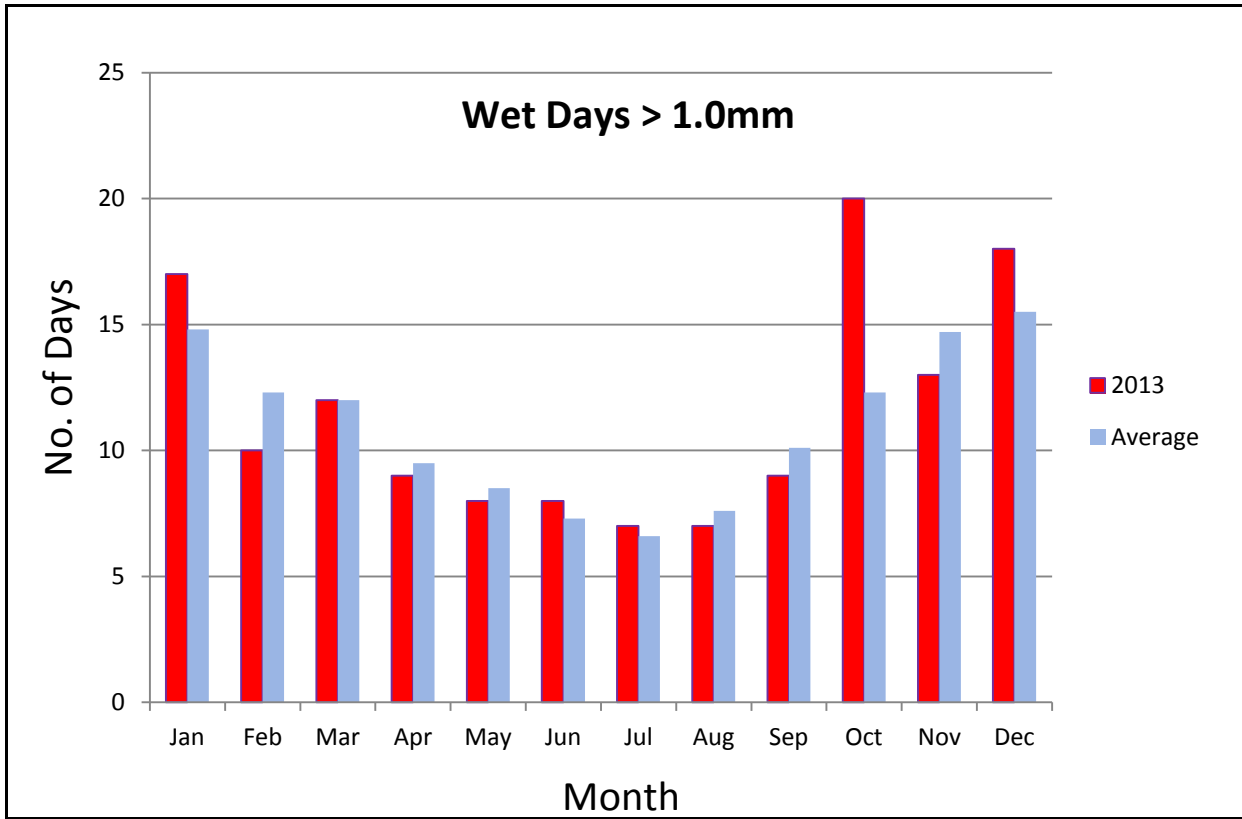
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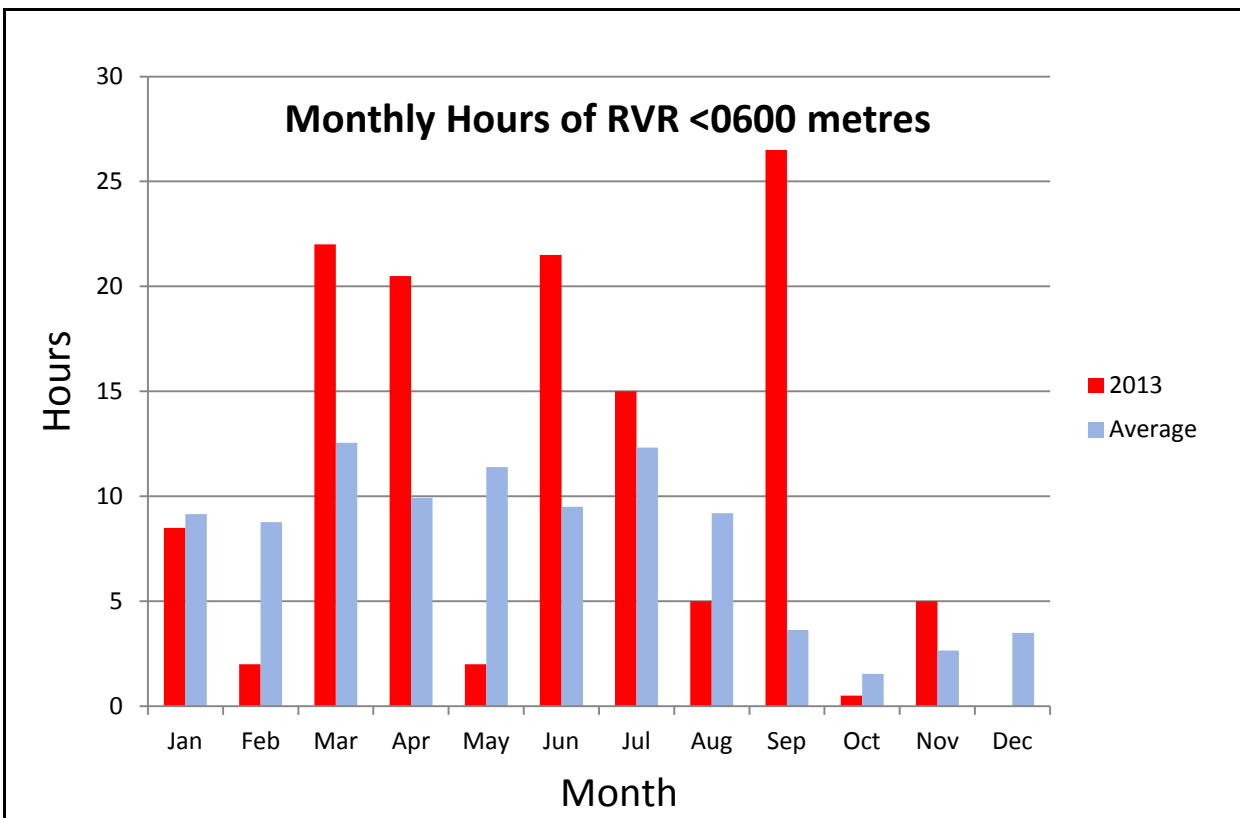
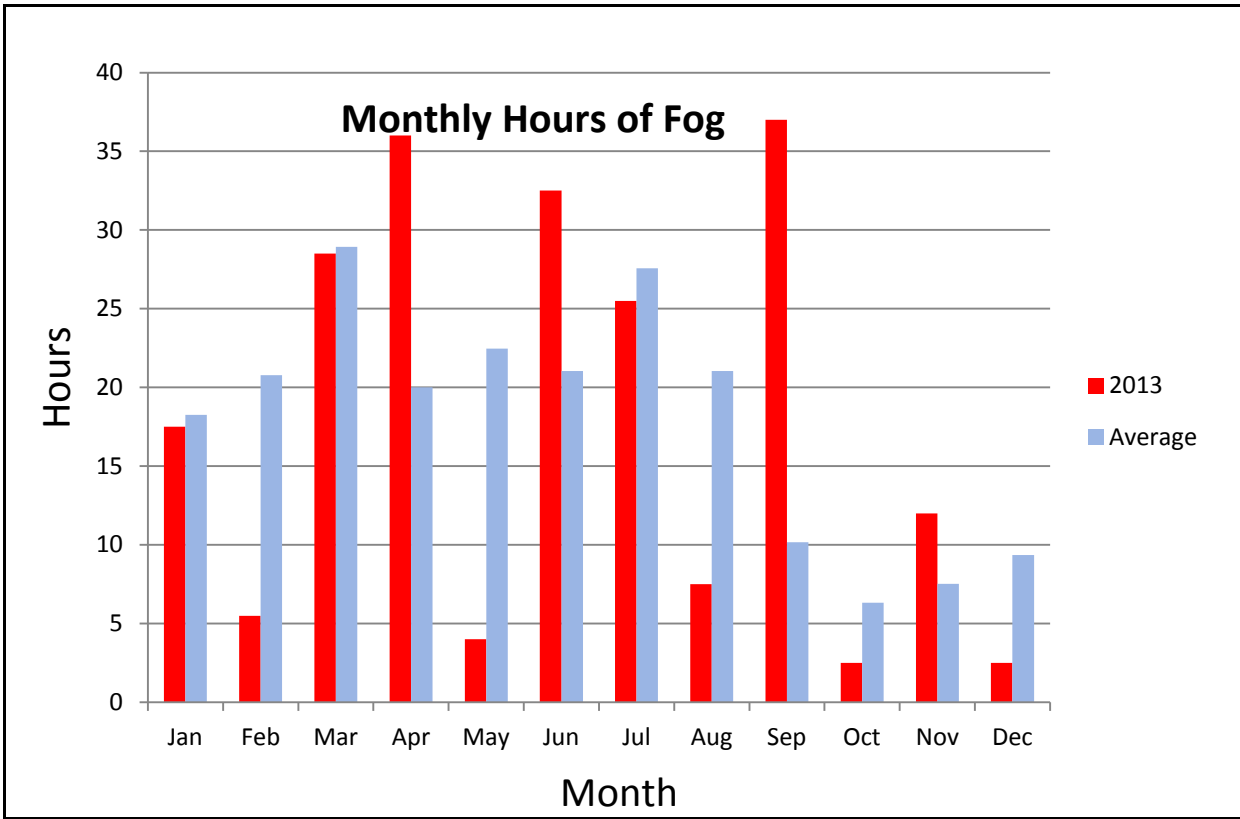
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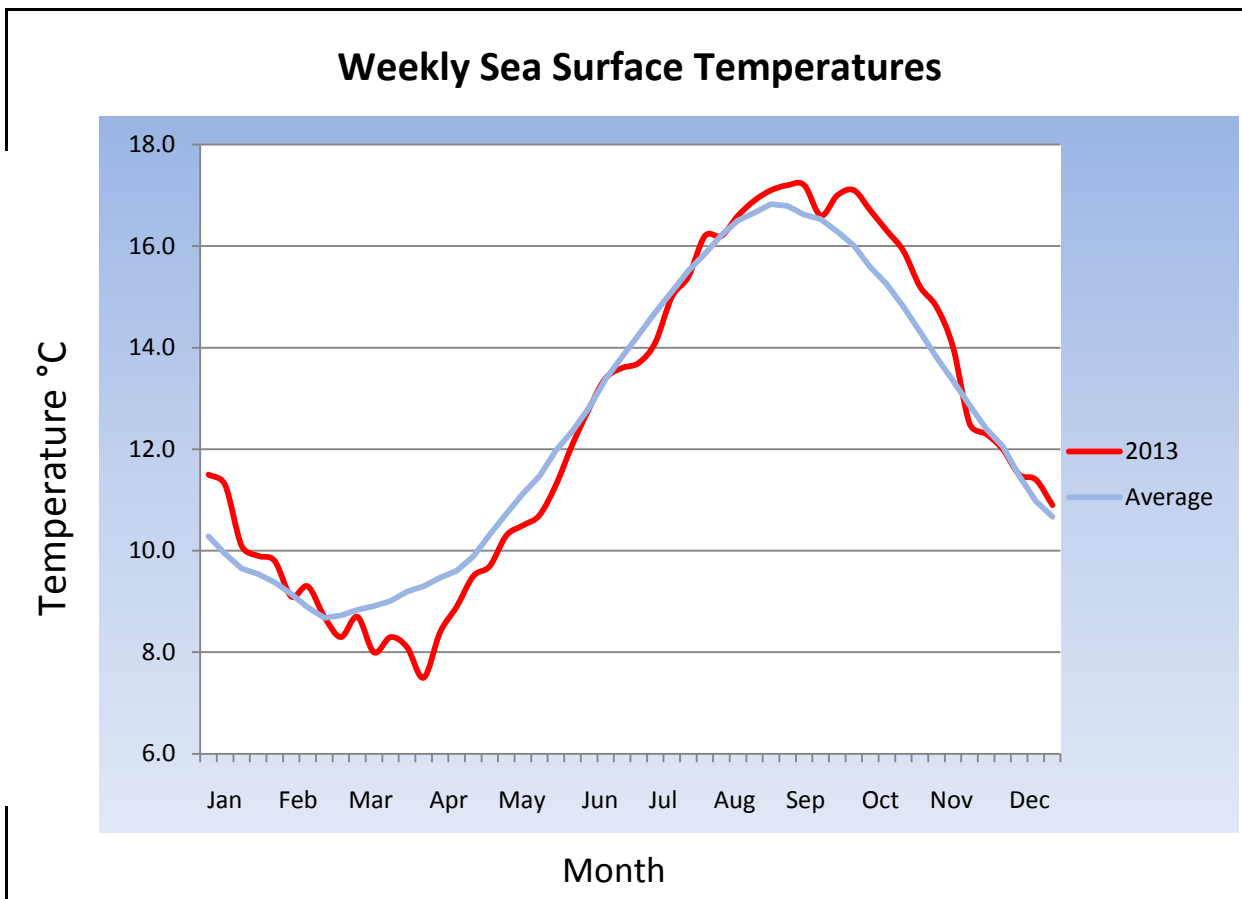
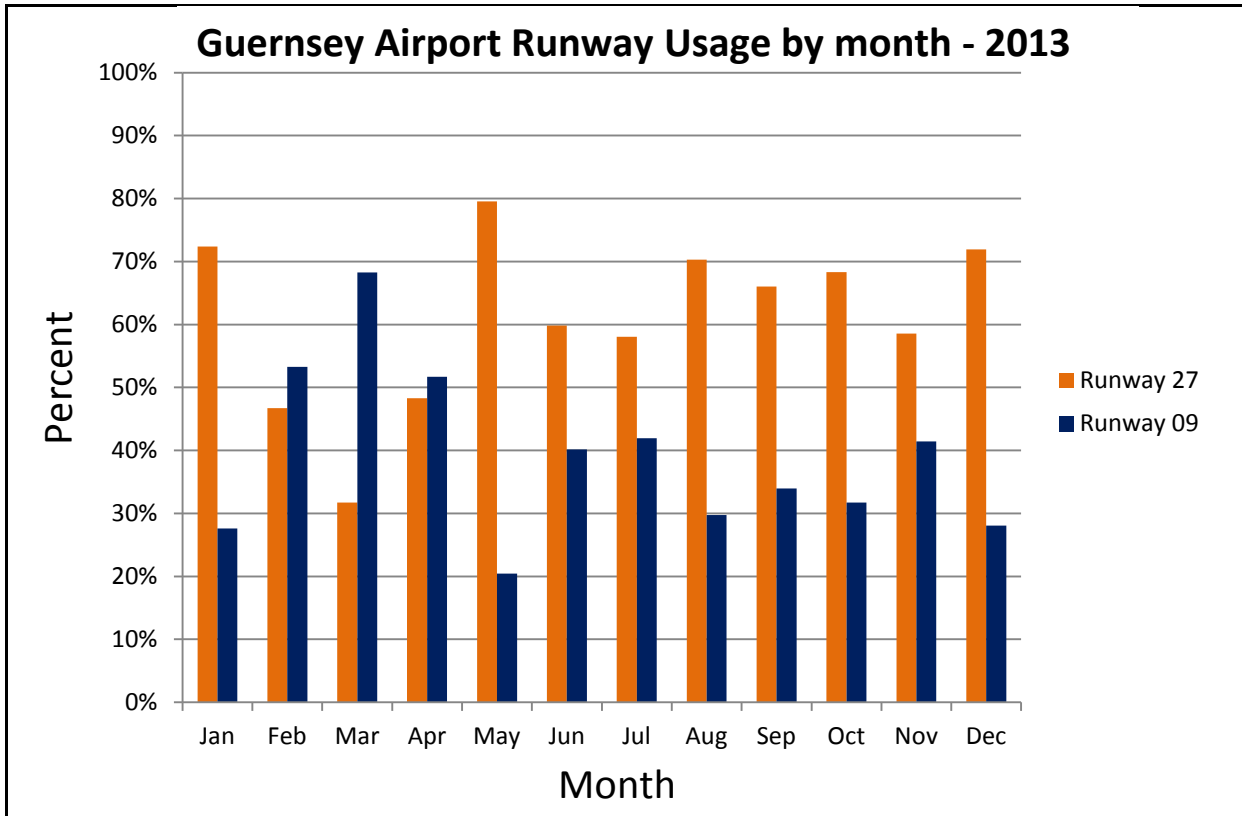
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# Guernsey Met Office



# Guernsey Met Office



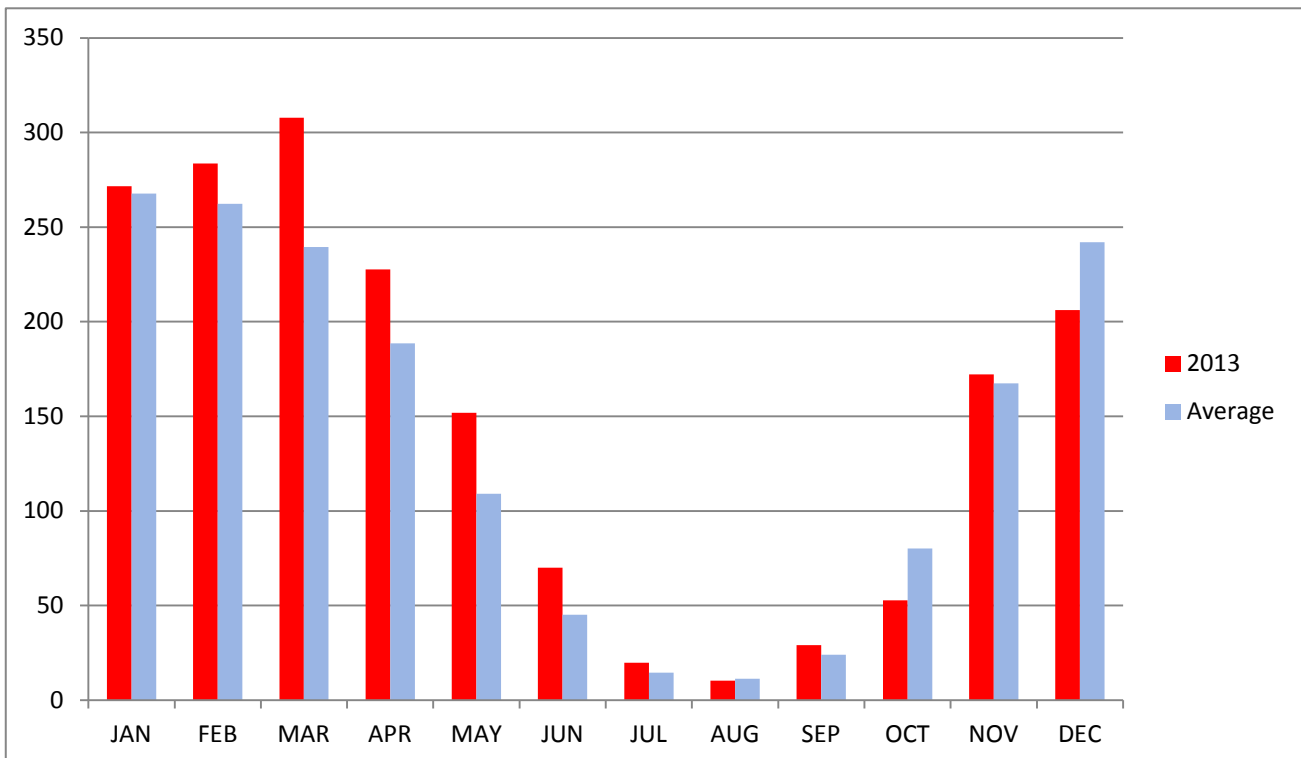
# Guernsey Met. Office

## Degree Days

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

	2013	Average
JAN	271.6	267.7
FEB	283.7	262.3
MAR	307.8	239.5
APR	227.6	188.6
MAY	151.9	109.1
JUN	70.1	45.1
JUL	19.8	14.5
AUG	10.3	11.4
SEP	29.1	24.0
OCT	52.7	80.2
NOV	172.1	167.5
DEC	206.1	242.0
YEAR	1802.8	1651.9

## Accumulated Degree Days



# Guernsey Met. Office

## 2014 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 03	May	09:54	8.5	22:03	8.5	03:58	1.7	16:11	2.1
Sun 04	May	10:27	8.0	22:36	8.0	04:29	2.2	16:41	2.6
Sat 10	May	03:43	7.1	16:24	7.3	10:13	3.2	22:37	3.2
Sun 11	May	04:41	7.5	17:14	7.8	11:07	2.8	23:29	2.6
Sat 17	May	09:06	9.2	21:24	9.3	03:07	1.1	15:25	1.3
Sun 18	May	09:49	9.0	22:07	9.0	03:49	1.2	16:07	1.6
Sat 24	May	03:25	7.8	16:04	7.8	09:59	2.5	22:32	2.6
Sun 25	May	04:32	8.0	17:03	8.2	11:00	2.0	23:30	2.2
Sat 31	May	09:01	8.7	21:11	8.8	03:05	1.7	15:17	1.9
Sun 01	June	09:35	8.4	21:44	8.5	03:38	1.9	15:49	2.2
Sat 07	June	01:23	7.0	14:14	6.9	08:04	3.5	20:35	3.6
Sun 08	June	02:35	7.1	15:23	7.2	09:13	3.4	21:19	3.3
Sat 14	June	08:09	9.2	20:29	9.5	02:10	1.1	14:32	1.2
Sun 15	June	08:56	9.3	21:15	9.6	02:57	0.9	15:17	1.1
Sat 21	June	01:37	7.8	14:17	7.6	08:12	2.7	20:46	3.0
Sun 22	June	02:50	7.6	15:29	7.6	09:23	2.9	22:00	3.0
Sat 28	June	08:06	8.6	20:18	8.8	02:10	1.8	14:24	1.9
Sun 29	June	08:43	8.6	20:53	8.8	02:46	1.8	14:58	2.0
Sat 05	July	12:15	7.3			06:07	3.2	18:30	3.4
Sun 06	July	00:33	7.3	13:11	7.1	07:01	3.4	19:33	3.5
Sat 12	July	07:05	8.9	19:28	9.4	01:04	1.4	13:30	1.4
Sun 13	July	07:57	9.3	20:18	9.7	01:58	1.0	14:21	1.0
Sat 19	July	00:07	8.4	12:36	7.9	06:37	2.3	19:00	2.8
Sun 20	July	01:02	7.7	13:36	7.4	07:33	2.9	20:04	3.3
Sat 26	July	07:08	8.3	19:21	8.6	01:12	2.2	13:27	2.2
Sun 27	July	07:47	8.5	19:58	8.8	01:51	2.0	14:04	2.0
Sat 02	August	10:58	7.9	23:11	7.9	04:55	2.6	17:11	2.8
Sun 03	August	11:36	7.6	23:54	7.6	05:30	2.9	17:50	3.1
Sat 09	August	05:57	8.4	18:23	9	12:22	1.9		
Sun 10	August	06:53	9.0	19:15	9.6	00:51	1.4	13:17	1.3
Sat 16	August	11:17	8.7	23:36	8.4	05:22	1.6	17:40	2.0
Sun 17	August	11:59	8.0			06:03	2.4	18:24	2.8
Sat 23	August	06:06	7.8	18:20	8.2	00:10	2.8	12:25	2.7
Sun 24	August	06:46	8.3	18:59	8.6	00:50	2.4	13:05	2.3
Sat 30	August	09:59	8.5	22:10	8.5	03:59	2.0	16:13	2.2
Sun 31	August	10:29	8.2	22:43	8.2	04:27	2.3	16:44	2.5
Sat 06	September	04:41	7.8	17:11	8.3	11:08	2.7	23:40	2.1
Sun 07	September	05:44	8.5	18:08	9.0	12:08	1.9		
Sat 13	September	10:10	9.4	22:28	9.1	04:16	1.0	16:34	1.3
Sun 14	September	10:46	8.7	23:05	8.3	04:52	1.7	17:11	2.1
Sat 20	September	04:56	7.2	17:11	7.6	11:13	3.4	23:42	3.0
Sun 21	September	05:39	7.8	17:53	8.1	11:57	2.9		
Sat 27	September	09:04	9.0	21:17	9.0	03:06	1.7	15:22	1.7
Sun 28	September	09:34	8.8	21:48	8.7	03:35	1.9	15:52	2.0



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

## Astronomical events in 2014

as seen from Guernsey

By David Le Conte

This year we have a Mars opposition, and can expect good views of Jupiter and Saturn. Again no eclipses, but two daytime occultations of planets by the Moon, and two favourable meteor showers.

### PLANETS

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

Date	Elongation	Direction to look	Time
31 January	18° Eastern	Low in west	After sunset
14 March	27° Western	Low in East	Before sunrise
25 May	25° Eastern	Low in West	After sunset
12 July	21° Western	Low in East	Before sunrise
21 September	25° Eastern	Very low in West	After sunset
01 November	19° Western	Low in East	Before sunrise

The best times will be the mornings in mid-July and late October/early November, and in the early evenings in late January/early February, and mid to late May.

Mercury will undergo a daylight occultation by the Moon on 26 June (see below for details).

After inferior conjunction on 11 January, **Venus** appears as the ‘Morning Star’ in the east from mid-January, reaching maximum brightness (-4.6) on 11 February, and maximum elongation on 22 March. It is at superior conjunction on 25 October, and in December it will appear low in the west after sunset. It is in conjunction with Jupiter on 18 August (see details under ‘Jupiter’, below).

At the beginning of the year **Mars** rises at midnight, rising earlier and earlier as the weeks go by. It will be at opposition in Virgo on 08 April at a distance of 93 million km (58 million miles), with a magnitude of -1.5, and subtending an angle of 15 arc-seconds. It will continue to be visible for the rest of the year, getting low in the southwest as the year progresses.

**Jupiter** is at opposition on 05 January in the middle of Gemini, and, as last year, will be dominating our evening skies in the first few months of the year, especially as it will be high in the sky at a declination of almost +23°. Being amongst fairly bright stars, it will be interesting to watch its weekly movement during this period, especially as it will be making a loop, reversing direction at the end of the first week of March. We will virtually lose it in the evening twilight by the end of June. After superior conjunction on 24 July it will start to appear before sunrise in July, low in the east, moving higher in ensuing months.

We can expect excellent views of its moons, atmospheric bands on its disc, and the Great Red Spot. Transit, shadow and occultation events involving Jupiter’s moons can be calculated using a Java script at <http://tinyurl.com/24kp25> (remembering to enter the date in the US format: month/day/year). They can also be simulated on software such as StarryNight (<http://www.starrynightstore.com/>).

The transit times of the Great Red Spot can be found at <http://tinyurl.com/muladt>. They can also be seen on StarryNight software, but remember to set the Jovian System longitude to the current value (203° at the time of writing) as shown on the *Sky and Telescope* website. It should be entered at *Local Disk (C:) → Program Files → Starry Night Pro Plus 6 → Sky Data → JupiterGRS*.

At 06.00 BST on 18 August Jupiter will appear just 12 arc-minutes from Venus, with the Beehive (Praesepe) open cluster nearby – a fine sight in binoculars, very low in the East-Northeast.

**Saturn** starts the year as a morning object, rising in the east in the constellation Libra about 03.00 UT. It will rise earlier and earlier, and by mid-March will be rising about 23.00. It will reach opposition on 10 May, rising as the Sun sets and visible all night. It will remain visible, progressively as an evening object, until October. With a low declination (about -15°) it will never reach a very high altitude. However, with the rings at over 20° it will still present a beautiful sight in telescopes, and its brightest moons, especially Titan, should be visible. Saturn will be occulted by the Moon during daylight on 25 October (see below for details).

**Uranus** will be at opposition in Pisces on 07 October, at magnitude 5.7. **Neptune** will be at opposition in Aquarius on 29 August, at magnitude 8.

Star charts showing the positions of planets are available on a number of websites, such as [www.heavens-above.com](http://www.heavens-above.com) (follow the direct link from the ISS page on our website [www.astronomy.org.gg](http://www.astronomy.org.gg)).

## MINOR PLANETS

Dwarf planet **Pluto** will reach opposition on 04 July, at magnitude 14, in Sagittarius. Dwarf planet **Ceres**, the largest asteroid, reaches opposition on 16 April, in Virgo at magnitude 6.5, coincidentally with the brightest asteroid **Vesta** (magnitude 5.4), which is at opposition on 14 April, also in Virgo. With Mars's opposition also in Virgo about the same time this should be a good opportunity to see these three objects together. Vesta and Ceres will be 2½° apart, and some 13° north of Mars.

NASA's Dawn spacecraft, which left Vesta in September 2012, is due to arrive at Ceres in February 2015. For more information see <http://dawn.jpl.nasa.gov/>

The other three named dwarf planets (Eris, Makemake and Haumea) are too faint to be seen in most amateur telescopes.

## ECLIPSES

Yet again a year noted for its absence of notable eclipses, at least as far as Guernsey is concerned.

Ardent observers could see just the start of a lunar eclipse on 15 April, when the Moon enters the Earth's penumbra just before it sets. It starts at 05.51 BST, and the Moon sets at 06.19, well before the start of the umbral phase at 06.57. Hardly worth getting up for, especially as the Sun will be rising at the same time, making this penumbral eclipse virtually invisible!

A total lunar eclipse on 08 October will not be visible from Guernsey.

An annular eclipse of the Sun will be visible from Antarctica, Australia and the southern Indian Ocean on 29 April. A partial solar eclipse on 23 October will be seen from North America.

The good news is that eclipses of both the Sun and Moon will be visible from Guernsey in 2015!

## OCCULTATIONS

A daytime occultation of Mercury by the Moon will take place between 12.43 and 13.31 BST on 26 June. The Moon will be just a very thin sliver of a crescent, so it is likely to be very difficult to observe this event. Also, as the Sun will be only 10° away great care should be taken to shield the Sun from view.

Saturn will be occulted by the Moon (again a thin sliver) on 25 October, between 16.07 and 18.07 BST, ie just before sunset. If trying to observe this event, avoid looking at the Sun, especially with a telescope or binoculars.

## CONJUNCTIONS

Date	Approx time	Objects	Separation (°)
02 January	16.30 UT	Moon Venus	1.5
22 February	01.00 UT	Moon Saturn	2.1
26 February	04.30 UT	Moon Venus	0.25
21 March	01.30 UT	Moon Saturn	1
17 April	05.30 BST	Moon Saturn	2
14 May	11.00 BST	Moon Saturn	0.6
08 June	23.00 BST	Moon Mars	2
10 June	21.00 BST	Moon Saturn	1.5
21 June	03.00 BST	Moon Uranus	0.5
06 July	03.00 BST	Moon Mars	0.3
08 July	04.00 BST	Moon Saturn	1
18 August	05.00 BST	Venus Jupiter	0.2
27 August	21.00 BST	Mars Saturn	3.6
31 August	21.00 BST	Moon Saturn	0.25
11 September	02.00 BST	Moon Uranus	1.1
15 September	01.00 BST	Moon Aldebaran	0.4
12 October	05.00 BST	Moon Aldebaran	3
04 November	17.00 UT	Moon Uranus	0.1
08 November	18.45 UT	Moon Aldebaran	0.4
13 November	17.30 UT	Venus Saturn	1.6
02 December	00.30 UT	Moon Uranus	0.4
06 December	06.00 UT	Moon Aldebaran	0.5

Further planetary conjunctions are listed at [http://en.wikipedia.org/wiki/List\\_of\\_conjunctions\\_\(astronomy\)](http://en.wikipedia.org/wiki/List_of_conjunctions_(astronomy)).

## METEORS

The **Quadrantids** have a short peak of up to 100 meteors per hour on the 03 January. With New Moon on 01 January, conditions are very favourable. Although the peak activity is predicted to be about 19.30 UT, more meteors might be seen later in the night.

The **Perseids** peak on 12/13 August, again with up to 80 per hour. Conditions, however, are not favourable, as this year it coincides with a very bright Moon.

The **Leonids**, characterised by fast meteors with persistent trains, peak on 17 November, but are not expected to be particularly active this year, with a maximum of perhaps just 15 per hour.

The **Geminids** will probably be the best meteor shower of the year, with some 100 per hour at its peak on the night of 13/14 December. This year the Last Quarter Moon will not rise until 23.30 pm, so evening observation will be favourable.

There are, of course, many other, more minor meteor showers during the year, and sporadics may be seen at any time. The International Meteor Organisation's calendar at <http://www.imo.net/calendar/2014> give full details of meteor showers.

## COMETS

After the roller-coaster excitement of **Comet ISON**(C2012 S1) last year, resulting in disappointment only partially ameliorated by the appearance of Comet Lovejoy, there is little to expect in 2014, barring the unexpected discovery of a new bright one. **Comet Lovejoy** (2013R1) will continue to be well placed in the morning sky, but fading.

The best one might be **Comet PanSTARRS** (2012 K1), visible faintly for much of the year, but brightening to perhaps 6<sup>th</sup> magnitude in September, when it will be a morning object in Hydra.

The European Space Agency's *Rosetta* spacecraft, launched in 2004, is due to enter orbit around Comet 67P/Churyumov–Gerasimenko in May. In November it will release a lander named *Philae*, which is due to attach itself to the comet.

Detailed comet predictions for 2014 are available on the website of the British Astronomical Association's Comet Section: <http://www.ast.cam.ac.uk/~jds/preds14.pdf>, and star charts showing comet positions can be found on the Heavens-Above website ([www.heavens-above.com](http://www.heavens-above.com)).

## THE SUN

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

## EQUINOXES AND SOLSTICES

The following are the dates and times of the equinoxes and solstices in 2014:

Vernal Equinox	20 March	16.56 UT
Summer Solstice	21 June	11.51 BST
Autumnal Equinox	23 September	03.28 BST
Winter Solstice	21 December	23.02 UT

## SATELLITES

The International Space Station (ISS) is regularly visible from Guernsey, looking like a very bright star crossing our skies from west to east. Also of interest are flashes from the Iridium satellites, and periodic launches of the ISS servicing spacecraft such as Soyuz or SpaceX Dragon. Many other, fainter, satellites appear every night. Details of the times and directions of visibility (together with sky charts and much more) can be obtained from [www.heavens-above.com](http://www.heavens-above.com), linked from our website, [www.astronomy.org.gg](http://www.astronomy.org.gg).

## WEA COURSE

The Astronomy Section's annual six-week WEA "Star Gazing" course at the Observatory runs from 06 February to 13 March. It is usually over-subscribed, and early enrolment is recommended. The 2015 course is likely to be announced first at [www.wea.org.gg](http://www.wea.org.gg) in November 2014, or telephone WEA Guernsey at 237888.

## OPEN DAYS

An Open Evening at the Observatory will be held from 18.30 UT on 09 January, in association with BBC TV's *Stargazing Live* series. A further Open Evening will be held from 19.30 UT on 07 March in association with *National Astronomy Week*.

A special Open Day will be held on Bank Holiday Monday, 26 May, from 10.30 to 12.30 BST for solar observation.

The Observatory will be open on Thursday evenings after dark during the summer school holidays, from 24 July to 28 August.

A final Open Evening will be held from 18.00 UT on 30 October.

Details will appear in the Astronomy Section newsletters, in local media, and are on the Astronomy Section website ([www.astronomy.org.gg](http://www.astronomy.org.gg)).

## REFERENCES

*SkyMap Pro* and *Starry Night Pro* software

RAS diary 2014

*The Handbook of the British Astronomical Association 2014*

Wikipedia

## CALENDAR OF ASTRONOMICAL EVENTS

Month	Date	Time	Event
January	02		Earth at perihelion
January	02	16.30 UT	Conjunction of Moon and Venus (1.5°)
January	03		Quadrantid meteor shower (favourable)
January	05		Jupiter at opposition in Gemini
January	08		Comet ISON near Polaris
January	09	18.30 UT	Observatory Open Evening
January	11		Venus at inferior conjunction
January	31	After sunset	Mercury at greatest eastern elongation
February	06	19.30 UT	WEA course starts at Observatory
February	11		Venus at maximum brightness (-4.6)
February	22	01.00 UT	Conjunction of Moon and Saturn (2.1°)
February	26	04.30 UT	Conjunction of Moon and Venus (0.25°)
March	07	19.30 UT	Observatory Open Evening
March	13	19.30 UT	WEA course – final class
March	14	Before sunrise	Mercury at greatest western elongation
March	20	16.56 UT	Vernal Equinox

March	21	01.30 UT	Conjunction of Moon and Saturn (1°)
March	30	01.00 UT	BST starts
April	08		Mars at opposition in Virgo
April	14		Vesta at opposition in Virgo (mag 5.4)
April	15	05.51 BST	Penumbral eclipse of the Moon
April	16		Ceres at opposition in Virgo (mag 6.5)
April	17	05.30 BST	Conjunction of Moon and Saturn (2°)
May			<i>Rosetta</i> spacecraft orbits comet
May	10		Saturn at opposition in Libra
May	14	11.00 BST	Conjunction of Moon and Saturn (0.6°)
May	25	After sunset	Mercury at greatest eastern elongation
May	26	10.30 – 12.30 BST	Observatory Open Day
June	08	23.00 BST	Conjunction of Moon and Mars (2°)
June	10	21.00 BST	Conjunction of Moon and Saturn (1.5°)
June	21	03.00 BST	Conjunction of Moon and Uranus (0.5°)
June	21	11.51 BST	Summer Solstice
June	21	12.43 – 13.31 BST	Daytime occultation of Mercury by Moon
July	04	All night	Pluto at opposition in Sagittarius (mag 14)
July	04		Earth at aphelion
July	06	03.00 BST	Conjunction of Moon and Mars (0.3°)
July	08	04.00 BST	Conjunction of Moon and Saturn (1°)
July	12	Before sunrise	Mercury at greatest western elongation
July	24	21.00 BST	Observatory Open Evening
July	31	21.00 BST	Observatory Open Evening
August	07	20.30 BST	Observatory Open Evening
August	12/13		Perseid meteor shower (unfavourable)
August	14	20.30 BST	Observatory Open Evening
August	18	05.00 BST	Conjunction of Venus and Jupiter (0.2°)
August	21	20.30 BST	Observatory Open Evening
August	27	21.00 BST	Conjunction of Mars and Saturn (3.6°)
August	28	20.30 BST	Observatory Open Evening
August	29		Neptune at opposition in Aquarius (mag 8)
August	30	20.30 BST	Observatory Open Evening
August	31	21.00 BST	Conjunction of Moon and Saturn (0.25°)
September		Morning	Comet PanSTARRS 6 <sup>th</sup> magnitude
September	11	02.00 BST	Conjunction of Moon and Uranus (1.1°)
September	15	01.00 BST	Conjunction of Moon and Aldebaran (0.4°)
September	21	After sunset	Mercury at greatest eastern elongation
September	23	03.28 BST	Autumnal Equinox
October	07		Uranus at opposition in Pisces (mag 5.7)
October	12	05.00 BST	Conjunction of Moon and Aldebaran (3°)
October	25		Venus at superior conjunction
October	25	16.07-18.07 BST	Daytime occultation of Saturn by Moon
October	26	01.00 UT	BST ends
October	30	18.00 UT	Observatory Open Evening
November			<i>Rosetta</i> spacecraft's <i>Philae</i> lands on comet
November	01	Before sunrise	Mercury at greatest western elongation
November	04	17.00 UT	Conjunction of Moon and Uranus (0.1°)
November	08	18.45 UT	Conjunction of Moon and Aldebaran (0.4°)
November	13	17.30 UT	Conjunction of Venus and Saturn (1.6°)

November	17		Leonid meteor shower
December	02	00.30 UT	Conjunction of Moon and Uranus (0.4°)
December	06	06.00 UT	Conjunction of Moon and Aldebaran (0.5°)
December	13/14		Geminid meteor shower (favourable)
December	21	23.02 UT	Winter Solstice

Appendix X

## Lihou Island - Causeway Opening Times - 2014

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	13:21	16:38	01-Jun	14:44	16:48	01-Jul	15:05	16:53	01-Aug	16:04	17:11	01-Sep		Closed
02-May	14:07	17:01	02-Jun	15:52	16:46	02-Jul		Closed	02-Aug		Closed	02-Sep		Closed
03-May	15:01	17:13	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		Closed
06-May		Closed	06-Jun		Closed	06-Jul		Closed	06-Aug		Closed	06-Sep		Closed
07-May		Closed	07-Jun		Closed	07-Jul		Closed	07-Aug		Closed	07-Sep	10:49	13:18
08-May		Closed	08-Jun		Closed	08-Jul		Closed	08-Aug		Closed	08-Sep	11:16	14:32
09-May		Closed	09-Jun		Closed	09-Jul		Closed	09-Aug	11:03	13:32	09-Sep	11:52	15:31
10-May		Closed	10-Jun		Closed	10-Jul	10:54	12:20	10-Aug	11:34	14:46	10-Sep	12:33	16:21
11-May		Closed	11-Jun	10:59	13:07	11-Jul	11:14	13:49	11-Aug	12:12	15:47	11-Sep	13:15	17:03
12-May	10:58	12:48	12-Jun	11:28	14:15	12-Jul	11:49	14:58	12-Aug	12:53	16:39	12-Sep	14:01	17:38
13-May	11:17	13:55	13-Jun	12:04	15:13	13-Jul	12:30	15:57	13-Aug	13:37	17:23	13-Sep	14:52	18:04
14-May	11:46	14:49	14-Jun	12:45	16:05	14-Jul	13:13	16:49	14-Aug	14:24	18:01	14-Sep	16:00	18:14
15-May	12:21	15:36	15-Jun	13:30	16:52	15-Jul	13:59	17:34	15-Aug	15:17	18:31	15-Sep		Closed
16-May	13:01	16:18	16-Jun	14:19	17:35	16-Jul	14:49	18:14	16-Aug	16:26	18:47	16-Sep		Closed
17-May	13:44	16:57	17-Jun	15:15	18:14	17-Jul	15:47	18:48	17-Aug		Closed	17-Sep		Closed
18-May	14:35	17:32	18-Jun	16:21	18:48	18-Jul	17:00	19:10	18-Aug		Closed	18-Sep		Closed
19-May	15:37	18:02	19-Jun	17:49	19:11	19-Jul		Closed	19-Aug		Closed	19-Sep		Closed
20-May	17:03	18:22	20-Jun		Closed	20-Jul		Closed	20-Aug		Closed	20-Sep		Closed
21-May		Closed	21-Jun		Closed	21-Jul		Closed	21-Aug		Closed	21-Sep		Closed
22-May		Closed	22-Jun		Closed	22-Jul		Closed	22-Aug		Closed	22-Sep	11:46	13:20
23-May		Closed	23-Jun		Closed	23-Jul		Closed	23-Aug		Closed	23-Sep	11:54	14:21
24-May		Closed	24-Jun		Closed	24-Jul		Closed	24-Aug	12:04	13:56	24-Sep	12:17	15:07
25-May	10:00	11:54	25-Jun	11:30	13:03	25-Jul	12:12	13:16	25-Aug	12:19	14:51	25-Sep	12:47	15:44
26-May	10:35	13:02	26-Jun	11:57	14:02	26-Jul	12:21	14:23	26-Aug	12:45	15:34	26-Sep	13:20	16:15
27-May	11:13	13:58	27-Jun	12:28	14:52	27-Jul	12:44	15:12	27-Aug	13:16	16:08	27-Sep	13:56	16:41
28-May	11:52	14:46	28-Jun	13:02	15:33	28-Jul	13:14	15:52	28-Aug	13:50	16:36	28-Sep	14:38	17:01
29-May	12:31	15:28	29-Jun	13:38	16:08	29-Jul	13:48	16:25	29-Aug	14:28	16:58	29-Sep	15:33	17:13
30-May	13:12	16:02	30-Jun	14:19	16:35	30-Jul	14:25	16:50	30-Aug	15:12	17:12	30-Sep		Closed
31-May	13:55	16:30				31-Jul	15:08	17:07	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

## 2014 Official Guernsey Ormering Tides

Day & Month	Predicted Height (m)	Time	Day & Month	Predicted Height (m)	Time
Wed 01 Jan	1.2	12:33	Thu 30 Jan	1.1	12:22
Thu 02 Jan	0.8	13:24	Fri 31 Jan	0.6	13:12
Fri 03 Jan	0.6	14:12	Sat 01 Feb	0.3	13:59
Thu 16 Jan	2.0	13:04	Fri 14 Feb	1.9	12:43
Fri 17 Jan	1.8	13:38	Sat 15 Feb	1.6	13:18
Sat 18 Jan	1.8	14:10	Sun 16 Feb	1.5	13:50

Day & Month	Predicted Height (m)	Time	Day & Month	Predicted Height (m)	Time
Sat 01 Mar	0.5	12:55	Mon 31 Mar	0.4	14:16
Sun 02 Mar	0.2	13:40	Tue 01 Apr	0.5	14:56
Mon 03 Mar	0.2	14:21	Tue 15 Apr	1.4	13:53
Sun 16 Mar	1.5	12:50	Wed 16 Apr	1.2	14:29
Mon 17 Mar	1.3	13:23	Thu 17 Apr	1.3	15:03
Tue 18 Mar	1.3	13:55	Tue 29 Apr	1.0	13:51
Sun 30 Mar	0.6	13:33	Wed 30 Apr	1.0	14:30

All times local

## Phases of the Moon - 2014

New Moon	First Quarter	Full Moon	Last Quarter
1st Jan	8th Jan	16th Jan	24th Jan
30th Jan	6th Feb	14th Feb	22nd Feb
1st Mar	8th Mar	16th Mar	24th Mar
30th Mar	7th Apr	15th Apr	22nd Apr
29th Apr	7th May	14th May	21st May
28th May	5th Jun	13th Jun	19th Jun
27th Jun	5th Jul	12th Jul	19th Jul
26th Jul	4th Aug	10th Aug	17th Aug
25th Aug	2nd Sep	9th Sep	16th Sep
24th Sep	1st Oct	8th Oct	15th Oct
23rd Oct	31st Oct	6th Nov	14th Nov
22nd Nov	29th Nov	6th Dec	14th Dec
22nd Dec	28th Dec		

# GUERNSEY AIRPORT SUNRISE/SUNSET TIMES

2014 Sunrise and Sunset Times for Guernsey Airport, 49°26'N 02°36'W (calculated for sea-level)

Times are UTC (=GMT)

14 DY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		14 DY
	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	SR	SS	
1	W 0806	1622	S 0742	1706	S 0653	1753	T 0548	1842	T 0449	1927	S 0409	2008	T 0408	2020	F 0442	1951	M 0526	1854	W 0610	1749	S 0658	1649	M 0744	1614	1
2	T 0806	1623	S 0741	1708	S 0651	1755	W 0546	1843	F 0447	1929	M 0408	2009	W 0409	2020	S 0443	1950	T 0527	1852	T 0611	1747	S 0700	1647	T 0746	1613	2
3	F 0806	1624	M 0740	1710	M 0649	1756	T 0544	1845	S 0445	1930	T 0408	2010	T 0409	2019	S 0444	1948	W 0529	1850	F 0613	1745	M 0702	1646	W 0747	1613	3
4	S 0806	1625	T 0738	1711	T 0647	1758	F 0542	1846	S 0444	1932	W 0407	2011	F 0410	2019	M 0446	1946	T 0530	1848	S 0614	1743	T 0703	1644	T 0748	1613	4
5	S 0806	1626	W 0737	1713	W 0645	1759	S 0540	1848	M 0442	1933	T 0407	2012	S 0411	2019	T 0447	1945	F 0532	1845	S 0616	1741	W 0705	1642	F 0749	1612	5
6	M 0805	1627	T 0735	1715	T 0643	1801	S 0537	1849	T 0440	1935	F 0406	2013	S 0412	2018	W 0448	1943	S 0533	1843	M 0617	1739	T 0706	1641	S 0751	1612	6
7	T 0805	1628	F 0733	1716	F 0641	1803	M 0535	1851	W 0439	1936	S 0406	2013	M 0413	2018	T 0450	1942	S 0535	1841	T 0619	1737	F 0708	1639	S 0752	1612	7
8	W 0805	1630	S 0732	1718	S 0639	1804	T 0533	1852	T 0437	1938	S 0405	2014	T 0413	2017	F 0451	1940	M 0536	1839	W 0620	1735	S 0710	1638	M 0753	1611	8
9	T 0804	1631	S 0730	1720	S 0637	1806	W 0531	1854	F 0436	1939	M 0405	2015	W 0414	2016	S 0453	1938	T 0538	1837	T 0622	1733	S 0711	1636	T 0754	1611	9
10	F 0804	1632	M 0729	1721	M 0635	1807	T 0529	1855	S 0434	1940	T 0404	2016	T 0415	2016	S 0454	1936	W 0539	1835	F 0623	1731	M 0713	1635	W 0755	1611	10
11	S 0803	1634	T 0727	1723	T 0633	1809	F 0527	1857	S 0433	1942	W 0404	2016	F 0416	2015	M 0456	1935	T 0541	1833	S 0625	1728	T 0715	1634	T 0756	1611	11
12	S 0803	1635	W 0725	1725	W 0631	1811	S 0525	1858	M 0431	1943	T 0404	2017	S 0417	2014	T 0457	1933	F 0542	1830	S 0627	1726	W 0716	1632	F 0757	1611	12
13	M 0802	1636	T 0723	1726	T 0629	1812	S 0523	1900	T 0430	1945	F 0404	2017	S 0418	2014	W 0458	1931	S 0543	1828	M 0628	1724	T 0718	1631	S 0758	1611	13
14	T 0802	1638	F 0722	1728	F 0626	1814	M 0521	1901	W 0428	1946	S 0404	2018	M 0419	2013	T 0500	1929	S 0545	1826	T 0630	1722	F 0719	1630	S 0759	1611	14
15	W 0801	1639	S 0720	1730	S 0624	1815	T 0519	1903	T 0427	1947	S 0403	2018	T 0420	2012	F 0501	1927	M 0546	1824	W 0631	1720	S 0721	1628	M 0800	1611	15
16	T 0800	1641	S 0718	1731	S 0622	1817	W 0517	1904	F 0426	1949	M 0403	2019	W 0421	2011	S 0503	1926	T 0548	1822	T 0633	1718	S 0723	1627	T 0800	1612	16
17	F 0759	1642	M 0716	1733	M 0620	1818	T 0515	1906	S 0424	1950	T 0403	2019	T 0423	2010	S 0504	1924	W 0549	1820	F 0634	1716	M 0724	1626	W 0801	1612	17
18	S 0758	1644	T 0715	1735	T 0618	1820	F 0513	1908	S 0423	1952	W 0403	2020	F 0424	2009	M 0506	1922	T 0551	1817	S 0636	1714	T 0726	1625	T 0802	1612	18
19	S 0758	1645	W 0713	1736	W 0616	1822	S 0511	1909	M 0422	1953	T 0404	2020	S 0425	2008	T 0507	1920	F 0552	1815	S 0637	1713	W 0727	1624	F 0802	1612	19
20	M 0757	1647	T 0711	1738	T 0614	1823	S 0509	1911	T 0420	1954	F 0404	2020	S 0426	2007	W 0509	1918	S 0554	1813	M 0639	1711	T 0729	1623	S 0803	1613	20
21	T 0756	1648	F 0709	1740	F 0611	1825	M 0507	1912	W 0419	1955	S 0404	2020	M 0427	2006	T 0510	1916	S 0555	1811	T 0641	1709	F 0730	1622	S 0804	1613	21
22	W 0755	1650	S 0707	1741	S 0609	1826	T 0505	1914	T 0418	1957	S 0404	2021	T 0428	2005	F 0511	1914	M 0557	1809	W 0642	1707	S 0732	1621	M 0804	1614	22
23	T 0754	1651	S 0705	1743	S 0607	1828	W 0503	1915	F 0417	1958	M 0404	2021	W 0430	2003	S 0513	1912	T 0558	1807	T 0644	1705	S 0733	1620	T 0804	1614	23
24	F 0752	1653	M 0703	1745	M 0605	1829	T 0501	1917	S 0416	1959	T 0405	2021	T 0431	2002	S 0514	1910	W 0559	1804	F 0645	1703	M 0735	1619	W 0805	1615	24
25	S 0751	1655	T 0701	1746	T 0603	1831	F 0500	1918	S 0415	2000	W 0405	2021	F 0432	2001	M 0516	1908	T 0601	1802	S 0647	1701	T 0736	1618	T 0805	1616	25
26	S 0750	1656	W 0659	1748	W 0601	1832	S 0458	1920	M 0414	2002	T 0405	2021	S 0433	2000	T 0517	1906	F 0602	1800	S 0649	1659	W 0738	1617	F 0806	1616	26
27	M 0749	1658	T 0657	1750	T 0559	1834	S 0456	1921	T 0413	2003	F 0406	2021	S 0435	1958	W 0519	1904	S 0604	1758	M 0650	1658	T 0739	1617	S 0806	1617	27
28	T 0748	1700	F 0655	1751	F 0557	1835	M 0454	1923	W 0412	2004	S 0406	2021	M 0436	1957	T 0520	1902	S 0605	1756	T 0652	1656	F 0740	1616	S 0806	1618	28
29	W 0746	1701			S 0554	1837	T 0452	1924	T 0411	2005	S 0407	2021	T 0437	1955	F 0522	1900	M 0607	1754	W 0654	1654	S 0742	1615	M 0806	1619	29
30	T 0745	1703			S 0552	1838	W 0450	1926	F 0411	2006	M 0408	2020	W 0439	1954	S 0523	1858	T 0608	1752	T 0655	1652	S 0743	1615	T 0806	1620	30
31	F 0744	1704			M 0550	1840			S 0410	2007			T 0440	1953	S 0525	1856			F 0657	1651			W 0806	1621	31