

Picture by Chris George - courtesy of Guernsey Press and Star

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Guernsey Airport Meteorological Observatory Annual Report 2003

Preface

2003 has been another year of headline grabbing news. The war in Iraq, the outbreak of SARS, the last flight of Concorde, England's success in the Rugby World Cup are events all worthy of their place in history. Closer to home, there was the spectacular stranding of the Vermontborg on La Capelle Reef at Perelle (see front cover picture), a highly successful and locally staged NatWest Island Games and the tragic sinking of the fishing vessel Chelaris J in the Schole Bank area south of Alderney.

Throughout the year, and rather behind the scenes, another story was unfolding. In January 2003, flash floods affected much of Britain and prompted the Environment Agency to advise householders to fill women's tights with earth to use as makeshift sandbags. The British summer saw air temperatures hit 100°F for the first time in recorded history with Brogdale near Faversham in Kent reaching 101.3°F (38.5°C). In the Bailiwick we managed 34.3°C (93.7°F) at the Airport on 9th August, beating the previous highest recorded temperature (3rd August 1990) by 1.5 degrees.

The heat was much more severe in France where it is estimated that more than 11,000 people lost their lives as a direct result of the soaring temperatures. In early December, large areas of southern France suffered devastation as unprecedented rainfall caused widespread flooding and many more deaths.

In Guernsey we were also experiencing the warmest year on record (going back to 1843). Local weather stations were experiencing record-breaking temperatures in March, April, May, July, August and September.

The graphs that form part of this preface cover the summer months of June, July and August, and are a clear example of the changes to our climate that have taken place since 1843 when accurate records for Guernsey first began.

Apart from a little period licence taken at either end of the time scale, the graphs show the thirty-year averages for rainfall, mean air temperature and sunshine for every decade since that time (sunshine records began in 1894). This type of graph means that the peaks and troughs of occasional weather extremes are smoothed over, and a useful idea of general weather

trends is gained. Although the results are clear, further analysis is beyond the remit of this article, however the UK Government's Chief Scientific Advisor has been quoted as saying that global warming poses a far greater threat than global terrorism.

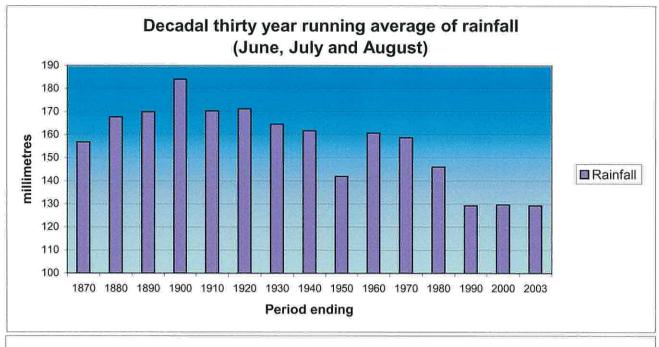
Quite how the warming of the atmosphere on a global scale will affect the Climate of the Guernsey Bailiwick in the future is not clear at this stage. As air temperatures rise, the synergy that exists between the polar ice sheets, the oceans of the world and the atmosphere will undergo a fundamental change. Theories abound as to the course of climate change, but any mature study has to start with the fundamentals – those accurate daily weather statistics that have been meticulously kept by recording stations such as ours over many decades.

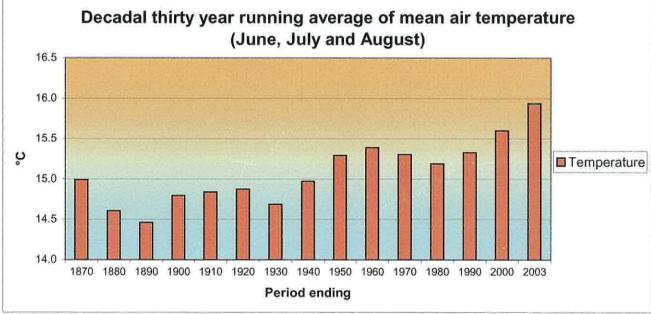
A detailed and thorough examination of the historical weather record for the British Isles and Ireland, and the likely implications for the 21st century, was carried out by the Hadley Centre for Climate Prediction and Research on behalf of the British Irish Council (BIC). Historical weather records for Guernsey played a major part in this important research project, and the findings were finally published in July 2003. (Copy available on www.british-irishcouncil.org/climatechange)

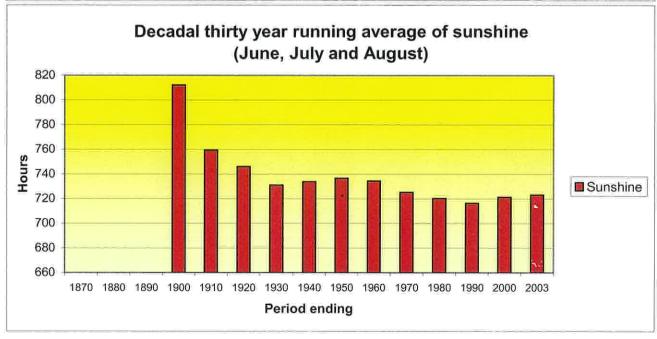
In an effort to enhance the quality of any climate research, we continue to press forward with our long-term programme of improving the data collection footprint for Guernsey. To this effect, the Lihou Island weather station has now been brought up to standard and its equipment calibrated. We are now able to remotely download data on a daily basis from this important site, and the first full years figures should be available for next years report.

That report will no doubt include reference to Guernsey's first real snowfall for seven years – an event that is happening as I type – no doubt Global Warming will continue to manifest itself in many ways in the years to come!

Tim Lillington Senior Meteorological Observer February 2004







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FOREWORD

WHAT WAS THE TEMPERATURE IN GUERNSEY YESTERDAY?

This might seem to be an odd question to be posing and one that is easily answered. There have to be several different ways to find this out, for instance on page two of the Guernsey Press. Alternatively you can ring the Met. Office or, in this computer age, look up the figures on the Guernsey Met. Office Internet home page. The quality dailies generally have a section on the weather showing the conditions for many places around the British Isles, including Guernsey. Comparing the readings shown in the national papers and the Guernsey Press can show up apparent inconsistencies. This, though, is not an indication of an error, but is due to the fact that the reports originate from different parts of the Island.

In general terms the temperature in the atmosphere decreases with altitude, hence snow persisting on mountaintops through the summer. The highest point on the Island is just over 100m above sea level, or about 340ft. As a general rule the temperature falls by 0.6°C per 100m, whilst comparisons between the Airport and the lower sites at L'Ancresse and Rocquaine show a difference of 0.8°C.

During the late autumn and winter this general rule applies with it being very unlikely that the Airport will record a higher temperature than anywhere at a lower elevation. On clear nights if the wind falls very light, then there might be pooling of cold air with the consequence that a slight frost is possible at low levels, while higher up remains above freezing, for example on the 31st December 2003.

For many people nighttime temperatures are of minor interest, although an unexpected frost can, of course, be a serious problem for anyone growing delicate plants. With most activities taking place during the daytime, temperatures for this period will be noticed more and there can be significant difference in the temperature across the Island and indeed between the various islands of the Bailiwick.

Due to the high number of very warm or hot days experienced during 2003 these differences occurred more frequently than normal. The most notable occasion in the spring occurred on April 16th, a day with the highest April temperature yet recorded in Guernsey. This record figure of 24.3°C measured at the Airport, was 0.5°C or so higher than the previous record set in St. Peter Port in 1893. On this day at Rocquaine the maximum temperature was 23.9°C, while at L'Ancresse nothing higher than 19.7°C was noted. The next day the Airport saw 21.2°C, Rocquaine 24.0°C and L'Ancresse just 17.6°C, giving a difference in sensation between a warm spring day and an exceptionally warm one.

Other days through the summer with significant variations include May 29th, June 21st and July 14th. On this latter day the highest during the day at Rocquaine was 31.8°C with L'Ancresse down at 25.7°C. During the first two weeks of August these differences occurred to such an extent that in the 10 days from the 4th to 13th the Airport was on average the hottest part of the Island. The mean maximum temperature was 27.4°C, with 27.0°C at Rocquaine and 25.0°C at L'Ancresse.

The highest temperature during this period and the highest on record in Guernsey was 35.0°C at Rocquaine on the 5th, while the Airport saw a new record of 34.3°C on the 9th. The best at L'Ancresse was 31.0°C on the 9th, which only comes in as the third highest for the site, whereas the new record at the Airport is 1.5°C higher than anything recorded prior to this year.

The obvious question is why should such large variations happen over relatively small distances? The answer comes down to the different physical characteristics of land and sea. Water has a very high heat capacity when compared to land surfaces, in other words more energy from the sun is needed to raise the temperature of the sea by 1°C, for instance, than to warm up the land by the same amount. This can result in the temperature of the air over land, in spring and summer, being more than 15°C warmer than that over the sea.

Because the land is usually much warmer than the sea in these seasons, our hottest weather will arrive with a wind having the shortest sea-track. For us this means an easterly wind. There is, though, still about 30 miles of sea for any hot air to cross and the air in contact with the sea surface will cool down. Given a moderate breeze of 10 to 15 mph it will of course take two hours or more for any hot air blowing from France to reach our east coast. This will be enough time for the air to be cooled to something approaching that of the sea surface. As this continues to move across the Island it will be warmed up again, given a sunny day.

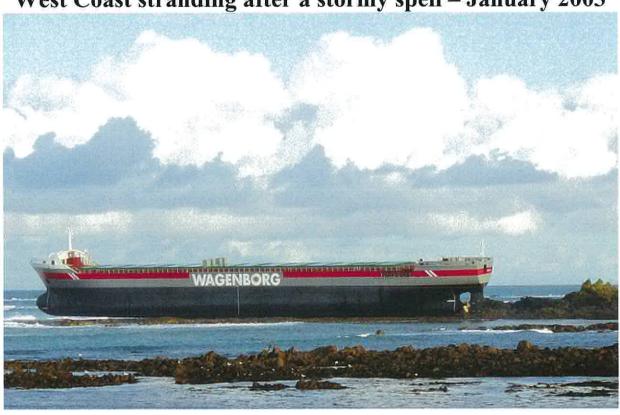
L'Ancresse, being at the north of the Island will, under these circumstances, encounter the air before there has been much chance for it to be warmed up. Depending on the exact wind direction there will be about three miles of land for the air to pass over on its way to the Airport and as much as seven miles by the time Rocquaine Bay is reached. This seems to be sufficient to reverse much of the cooling that has taken place over the sea.

When the wind is light more cooling is likely as the air has more time in contact with the sea surface, but this will tend to be confined to the lowest few hundred feet of the atmosphere. On a clear summer's day with light winds the land will heat up rapidly through the morning. The heated air above will rise, drawing in cool air off the surrounding sea, producing sea breezes. Under the right conditions the wind might be blowing onshore all around the Island, while near the centre there might be almost no wind. This would tend to allow further warming in places such as the Airport, while beaches and places within a few hundred yards of the coast are kept relatively cool.

Dave Cunningham Head of Climatology Guernsey Airport Met. Office February 2004

Guernsey Met. Office photo archive

West Coast stranding after a stormy spell – January 2003



Fair-weather cumulus over an unusual visitor – July 2003



METEOROLOGICAL OFFICE GUERNSEY AIRPORT COMMENT ON THE WEATHER OF 2003

This year turned out to be the warmest on record at Guernsey Airport, although the difference between this year's mean temperature and several others in the last decade or so is almost insignificant. Since 1989 there have been six years with a mean temperature within 0.2°C of each other. The most notable aspect of this year's weather is the number of with record-breaking temperatures. At the Airport new records were created in April, May and August twice, while the Rocquaine recorded new records in March, July and September as well.

As also mentioned elsewhere the absolute temperature record for Guernsey Airport was broken twice in the first 10 days of August, with the record now standing at 34.3°C, some 2.5°C higher than anything measured before 1990. This year did not begin on such a hot note, with out the first air frost at the Airport since 1997, on Jan 7th. This proved to be the coldest January since then, although it was sunny with a normal amount of rain.

February proved to be a mainly dry and reasonably sunny month, however, as with January it was colder than any resent February. You do, indeed, have to go back to 1996 to find a colder on, this despite average temperatures. The periods of cold weather experienced at times in all three winter months, ensured that this was the coldest for seven years, but it was, at least, the fourth sunny winter in succession. Rainfall was close to normal, being slightly more than in 2002.

The dry and sunny conditions that were evident in the latter part of the winter continued through March, to give us our driest one in six years and the sunniest since 1990. Temperatures picked up well during the month to make this the fifth mildest on record, although March 2002 was a touch milder. The record-breaking temperatures experienced around the mild of April made up for any earlier chill, to produce the highest mean maximum temperature in at least 56 years. Until the last week April had been almost completely dry and very sunny, then rain and a lack of sunshine prevented any records being set.

The increased warmth that we have experienced during May in recent years, means that this one was the coolest since 1996, despite the mean temperature being half a degree above the long-term average. Rain was a frequent visitor throughout the month, however, the total of rain was marginally lower than normal. A very dull 10 days from the 15th to 24th, with a meagre 36.5hrs of sunshine, meant that this May had less sunshine than usual. The warmth experienced in March and April ensured that this spring was equal to that for 1997, making this the second warmest on record. Also, thanks to March and April, this was the driest and sunniest spring for six years.

June proved to be the second warmest on record, despite a lack of any particularly high temperatures. Sunshine was slightly above normal and rainfall close to normal, but much of the rain fell in thunderstorms, with any unusually thundery day on the 22^{nd} . July was the warmest since 1989 and the fourth warmest on record. Due to unsettled weather from the 20^{th} onwards, rainfall ended up above average and sunshine a little below.

The exceptional heat in early August made this one the warmest recorded at the Airport and probably the second warmest for Guernsey as a whole. The top spot is likely to go to the very warm August recorded in St. Peter Port in 1899. There was only one significant rainfall event this month and due to its thundery nature there a large variation across the Island. On the 16th Rocquaine received more than 1in of rain, while at L'Ancresse it barely laid the dust. Despite the high temperatures and the low number of days with rain, the sunshine total was only about 25hrs more than normal. Due to consistent warmth this summer was 0.5°C warmer than the previous record set in 1976. That summer, though, was much drier and sunnier to keep it as the best summer so far.

There was more sun and heat in September, especially so around the middle of the month. This was the warmest September since 1961 and the sunniest since 1997, whilst there was a similar amount of rain to that recorded in the last two years. After the warmest seven-month spell on record, temperatures fell back during October with the lowest mean temperature for 10 years. It was also rather wet and windy with average sunshine.

November saw temperatures revert to being above normal, with one of the highest means on record. Due to a very wet spell at the start of the fourth week, this was the wettest month of the year, but we still managed more sunshine than usual. December was also wetter and sunnier than the average, despite a prolonged dry period, with temperatures just above normal.

January

The very mild, but damp weather that characterised the end of the old year, continued through into the new one. A moist south-west airflow covered the area early on the 1st, producing rain, drizzle and hill fog patches. The very mild air, though, resulted in the temperature reaching 12.9°C at the Airport; this being the third highest January temperature on record. A brief clearance of the cloud that evening was followed quickly by increased cloud and heavy rain early on the 2nd. As the low responsible for this rain moved along the south coast of England during the morning our winds strengthened to gale force for a short time.

The 3rd began with westerly winds and mild weather. Much colder north-east winds, though, were spreading south across the British Isles. The cold air reached us during the evening, with the temperature falling gradually throughout the night, so that by the morning of the 4th we had a reading of just 3°C. Wintry showers that afternoon were followed a clear evening, with light winds, which led to our first ground frost of the month. The next day was mainly sunny, but cold with one or two flurries of snow. The 6th was less cold, although cloudier with light rain or hail showers. Overnight the wind veered towards the south-east, dragging in even colder air from France, with the result that the temperature fell to below 0°C at the Airport for the first time since January 1997. The 7th turned out to be a bitter day with the temperature staying below freezing, accompanied by strong winds.

A very cold easterly flow continued to affect us on the 8th, although it was at least a sunny day. Overnight the wind backed towards the north-east bringing increased cloud from the Channel. A series of snow showers just before dawn on the 9th gave a slight covering of snow to parts of the Island, causing some problems during the rush hour. Rising pressure through the rest of that day and on the 10th killed off most of the showers, with sunny periods coming along for the 11th and 12th. While these two days were still cold here, much milder air was moving in across Scotland as a westerly flow developed there.

By the 13th winds had swung around to the west here, bringing in mild weather. From the 13th to 15th it was generally cloudy and mild with outbreaks of rain or drizzle. The passage of a cold front on the afternoon of the 15th was followed by mainly clear conditions, which lasted until the early hours of the 17th. The weather pattern was now becoming very unsettled with a series of depressions affecting Britain over the following few days. Fronts from the first depression produced a prolonged period of rain or drizzle from early afternoon on the 18th until after dawn on the 19th. Brighter conditions followed, but with a mixture of rain or hail showers. There was further rain in the early hours of the 20th, with more showers coming along after that. The persistence of south to south-west winds did, though, ensure the continuation of mild weather.

The 21st saw a mixture of sunny periods and showers then, on the 22nd early showers were replaced by fair weather as pressure built from the west. The continued build of pressure over the next couple of days resulted in mostly clear conditions with plenty of sunshine and decreasing winds. The high pressure stayed with us for another four days, but the pleasant weather did not. A weak frontal system crossed the area on the 25th bringing a spell of rain, drizzle and hill fog. This weather cleared away towards evening, only for a new warm front to make its presence felt soon after. The warm front crossed the Islands on the morning of the 26th, bringing very misty conditions with thick hill fog disrupting flying from late morning onwards. The following day the hill fog was replaced by extensive sea fog, which blanketed the whole Bailiwick from early morning onwards. This was in marked contrast to parts of the United Kingdom which enjoyed some unusually mild weather.

The 28th was much brighter than the preceding three days, with plenty of sunshine, but it was windy with showers in the afternoon. The windy conditions persisted for the next two days, with colder air being brought in from the north-west. Following a period of rain on the morning of the 30th, the wind veered to the north, resulting in a further drop in temperature. That night temperatures fell close to freezing again, with a cold and sunny day following for the end of the month.

February

A mobile westerly airstream covered the British Isles early in the month, with a frontal system clearing through the Islands at around lunchtime on the 1st, leaving us with breezy and showery conditions. This pattern allowed us sunshine on the afternoon of the 1st and sunny periods on the 2nd, with temperatures above normal, but also blustery showers. A small wave depression passed over Brittany on the 3rd, ensuring that we had cloudy

weather with some rain. After that the winds veered towards the north bringing in colder conditions, although the sunshine returned for much of the next two days.

The next weather system to affect Britain pushed into western districts late on the 5th, reaching the area by about midday on the 6th, introducing milder conditions, but with rain or drizzle and some hill fog. It remained humid for the following couple of days as well, with south to south-west winds giving mild weather. The passage of a cold front, just before dawn on the 9th, was marked by a burst of heavy rain, with cloud clearing during that morning to leave us with a sunny afternoon. The ridge of high pressure responsible for these clear conditions declined on the 10th, to allow more fronts to come in from the Atlantic. These gave rain that evening; the rain becoming lighter as the fronts weakened, with pressure rising once more.

The pressure continued to rise over the next couple of days, as a ridge of high pressure became established across the British Isles. Despite rising pressure we saw little sunshine, due to the remnants of the old fronts staying close by. As a consequence of the wind veering to the east it turned colder, but eventually the weather brightened up as drier air was pulled in. The following four days were dry and mainly sunny, although also cold with this accentuated by a moderate or fresh wind. The 18th saw the lowest temperatures of the month, dropping just below freezing, but it was at least the sunniest day of the month.

Changes to the weather pattern began to take place slowly on the 19th. After another cold and clear night, cloud increased from the west as fronts pushed in towards Brittany. These fronts brought some light rain during the evening, with less cold air edging in overnight. The next day was mainly cloudy with a little rain, whilst the temperature continued to rise. The 21st turned out to be a pleasant day with plenty of sunshine, light winds and the temperature climbing higher than it had been so far this month. The wind was still blowing from the Continent, but this time the air originated over the Mediterranean rather than Russia.

Another three mainly sunny and mild days followed, although fronts did cross the area a couple of times, bringing rain on the night of the 22nd and the evening of the 23rd. The 24th turned out to be the warmest day of the month, with spring-like conditions of sunshine and a light to moderate breeze. After this, though, there was very little sunshine, with fronts close by for much of the last four days. There was rain at some stage on each of these days and fog affected us on both the 27th and 28th. The 28th was the wettest day of the month receiving 11.3mm of rain, or nearly half an inch.

<u>March</u>

On the 1st a complex area of low pressure was slow moving to the south-east of Greenland, with troughs of low pressure crossing the British Isles. These troughs gave some rain by dawn, with mist and hill fog patches. A small depression then moved through the area overnight, bringing a period of heavy rain. Much of the 2nd was sunny, but the next set of fronts were approaching, to bring wet conditions for the 3rd. The following couple of days were also cloudy with rain or drizzle at times and patches of hill fog. Temperatures were above normal, staying between 9°C and 11°C from the afternoon of the 3rd until late morning on the 5th.

A transient ridge of high pressure crossed the area on the 6th giving a mainly sunny day, with a light to moderate breeze. A cold front went through around the middle of the next day, producing a burst of heavy rain and some hail, with winds gusting up to severe gale force 9. A complex set of fronts crossed the British Isles on the 8th, bringing an extensive sheet of cloud, but no rain. Winds backed towards the south on the 9th and this wind direction, combined with over 8hrs of sunshine, resulted in a pleasant spring day.

By the 10th the very deep low, which had dominated the weather over the Atlantic for a couple of days, was moving north-east towards Scotland, but filling as it did so. A secondary depression became slow moving off north-west Spain, with its fronts extending towards the Channel. This pattern ensured that the 11th was a dull and damp day, with mist and patches of hill fog. High pressure then began to build strongly to the south-west of Britain, with a ridge gradually extending across the British Isles. This change brought dry weather to the islands, with some sunshine, but also a stiff north-east wind.

An intense anticyclone had become established over the North Sea by the 14th, keeping any fronts well away from the United Kingdom. There was very little cloud around for the following week resulting in just over 70hrs of sunshine from the 14th to 20th. Daytime temperatures rose generally, especially on the sheltered western side of Guernsey, although nights became cooler due to the clear skies and decreasing wind.

The high had weakened by the 20th and drifted south-west, allowing a very weak cold front to move south-east over Britain. This front gave cloudier conditions on the 21st, before the sun came out for another couple of days. Temperatures also rose, getting up to 17°C on the 23rd in parts sheltered from the moderate south-east breeze. The influence of high pressure then became less strong, with low pressure pushing northwards from the west of Spain up to Ireland. The tail end of a warm front ensured that the 24th was a mainly cloudy day, followed in turn by sunnier and warmer weather for the 25th.

On the 26th the temperature reached its highest value in March since 1972, with 17.5°C being recorded. In the Rocquaine area, though, the highest reading was a record breaking 19.8°C. The next day was almost equally as warm despite having less than two hours of sunshine. After these two very warm days the low pressure became much more influential, bringing outbreaks of heavy rain to us on the 28th. Later in the day it turned foggy and this continued to be a problem for much of the following day.

Pressure had risen again across the United Kingdom once more by the 30th, bringing most of the country sunny weather. In the Channel Islands, though, the remnants of an old front were still close enough to give us a cloudy and hazy day. The last day of the month, in contrast, had unbroken sunshine, although with lower temperatures than had been experienced in the preceding 10 days.

April

Several days of very warm weather from about mid-month onwards resulted in record breaking conditions, despite a cold spell in the second week. The month was very dry until the 23rd, before unsettled conditions helped to push the rainfall total closer to the average. There was an average of more than nine hours of sunshine per day from the 2nd to 24th, then cloudier weather arrived during the last week, associated with a changeable weather pattern.

The ridge of high pressure, which had given us a sunny day at the end of March, had declined by dawn on the 1st to allow a weakening cold front to move south-east over the United Kingdom. This resulted in cloudy weather, but only a small amount of rain. Once the front was out of the way the pressure rose again, as an anticyclone moved north-east towards Britain. We had plenty of sunshine on the 2nd, but this was spoilt by a fresh to strong north-west wind. The sunny weather persisted for the next couple of days and it became very pleasant due to lighter winds.

High pressure, centred over Ireland, remained the dominant feature of the weather for the following two days. Despite this there was cloud around at times, although temperature stayed above normal. By the 7th the centre of high pressure had transferred to Norway, with a rather cold north-east airflow affecting southern England and the Channel Islands. Temperatures were well below normal from the 7th to the 11th, with no reading above 10°C during this period. The maximum temperature on the 10th was just 6.8°C, followed by a moderate ground frost overnight. Despite being cold the sun was shining for most of the time and winds were generally light.

On the 12th we began to receive air with its origins over southern Europe, resulting in a noticeable rise of temperature. The next day a warm front crossed the area, followed by a flow of air from North Africa. Over the next couple of days the temperature rose as much as 6°C above normal both day and night, despite thick high cloud making the sunshine rather weak. Blessed with unbroken sunshine and a light easterly wind on the 16th, the temperature at the Airport climbed to a new record high for April. The peak of 24.3°C just exceeded that recorded in St. Peter Port on 21st April 1893. Sea breezes, though, meant that it was cooler around the coast. Slightly more wind the following day reduced the warmth a little, although the west coast was just as warm.

Strengthening east to north-east winds gradually pulled in much cooler air from Scandinavia. The 18th was a dry day with unbroken sunshine, but by the morning of the 19th cloud had developed. The combination of extra cloud and strong winds held the temperature close to 10°C for most of the day. On the 20th low pressure encroached from the south, however, despite this it was a mainly sunny day with higher temperatures and less wind. There was a light shower late in the day, but it gave no significant rain, followed in turn by sunny periods again for Easter Monday.

A renewed east to south-east airflow brought increased warmth again for the 22nd and 23rd, with plenty of sunshine. Early on the 24th troughs of low pressure swung in from the south-west, bringing heavy rain for a while. Further warm sunny periods came along during the day, but the weather had by now changed to a very

unsettled pattern. A deepening depression moved in towards south-west Ireland on the 25th. Rain from its associated fronts reached us by midday, continuing through most of the afternoon, before clearing away that evening.

Fog patches early on the 26th were followed by sunshine, before showers arrived during the afternoon. The next set of fronts in the sequence brought rain for the morning of the 27th, with a low bringing us outbreaks of rain for much of the next day. The last couple of days of the month had a mixture of sunny periods and showers, although the showers on the 30th were light. During this last week of unsettled weather winds were blowing mainly from between south and south-west, with a consequence that temperatures stayed above normal, despite periods of cloud and rain.

May

A complex area of low pressure extended from Scotland to southern Scandinavia on the 1st, with a brisk south-west airflow covering the Channel. This allowed us limited sunshine and a few showers. A depression moved north-east towards south-west England through the day, with rain arriving that evening. This depression than continued to move slowly north-east across England, with a steep pressure gradient developing as a ridge of high pressure edged in from Biscay. Winds strengthened during the 2nd to bring our first May gale for seven years that afternoon. The 3rd was a much better day, under the influence of high pressure, followed in turn by warm weather on the 4th due sunshine and a wind blowing off France.

Late on the 4th a weak cold front passed through, giving a little rain, followed a fresher westerly flow. A new ridge of high pressure than pushed in from the south-west. This brought us two sunny days, although with a couple of chilly nights as well. On the 8th the combination of a slow moving front over France and a cold front crossing England, resulted in a cool and cloudy day here, but with only some light drizzle. The cold front had gone through by Liberation day to allow us sunny periods along with a moderate breeze.

A small low and its associated fronts came in from the south-west early on the 10th, bringing several hours of rain and drizzle. The sun then came out for a number of hours during the afternoon, followed by a repeat performance the next day. Further cloud and light rain arrived for the 12th, before much clearer conditions pushed in. By the morning of the 13th we were covered by a showery north-west airflow. There was a brief thunderstorm and hail shortly after dawn before the sky cleared to a sunny, but windy, day. We managed 14 hours of sunshine on the 14th, making it the sunniest day of the month, but with a north-west breeze it was still rather cool.

For much of the first half of the month temperatures were a little below normal, but sunshine was slightly higher than usual and there was rain on fewer than half the days. Around mid-month, though, the weather went further downhill, with rain on all but one of the next 10 days. The remnants of high pressure allowed us a sunny morning on the 15th, but the afternoon was cloudy with rain that evening. Over the following four days low pressure to the north-west of Ireland controlled the weather for the British Isles. A series of fronts brought periods of rain, with occasional patches of hill fog and only three hours of sunshine from the 16th to 18th.

The 19th was a much brighter a slightly warmer day, but with a fresh or strong wind plus a heavy shower during the evening. The 20th was even windier with a sunny morning giving way to cloud in the afternoon, heralding the approach of another front. We were covered by a very moist westerly airflow on the 21st, so that despite high pressure there was no sunshine, with rain, drizzle and fog for most of the day. The 22nd was not much better, although the sun came out for a few hours in the afternoon. Fog was again a problem for most of the next morning, with rain from about dawn until late afternoon.

There was a switch to rather better conditions on the 24th, with several hours of sunshine, but the temperature was still disappointing. The 25th and the Spring Bank Holiday were both mainly sunny, but the temperature at the Airport could still not make 15°C. By the morning of the 27th the pressure was at about its highest for the month, nonetheless the end of a weak warm front gave a hour or two of drizzle with some hill fog. After this conditions brightened with the west coast seeing a mainly sunny afternoon, compared to rather cloudy conditions for the rest of the island. Sea fog was in evidence on the 28th, with the north and east of the island being badly affected during the morning. An easterly wind did eventually clear away all of the fog and introduce warm air.

The 29th and 30th saw temperatures in marked contrast to those experienced for most of this month. A light to mod easterly wind raised the temperature to 22.9°C at the Airport on the 29th, with 25°C reported from the west

coast. All parts of the Bailiwick were very warm the next day, with the highest temperature being recorded at Guernsey Airport. The value of 25.9°C is a new record for May, with 24°C a more common figure around the coast and in Alderney as well.

<u>June</u>

On the 1st a depression was centred over the mid-Atlantic, with its fronts affecting Ireland and a light southerly flow over the Channel. This allowed us a reasonably warm day, but with periods of cloud and some light rain. A weak cold front cleared through on the morning of the 2nd, followed by brighter weather that afternoon, before the encroachment of another small depression. This gave us rather cloudy conditions, but little rain. The pattern was repeated over the next 24 hours, before a ridge of high pressure began to push in from the south-west.

The 5th had sunny periods and near normal temperatures. A new set of fronts came in the following day making it cloudy, with outbreaks of rain or drizzle during the afternoon. After a damp morning on the 7th it became sunny for several hours allowing us warmer weather again. Rain early on the 8th was followed by a brighter, breezier and cooler day, with a passing high giving us sunshine for the morning of the 9th. More fronts then swept into western Britain to bring us cloud for much of that afternoon, but again rainfall was light.

The wind became fresh for a while on the 10th, but it was still blowing from between south-west and south so that temperatures stayed above normal. High pressure then became established over southern Britain and the Channel, bringing sunny weather for the 12th and 13th, although with little change in the temperature. During the early hours of the 14th a thundery trough passed through the area giving us thunder and lightning for a couple of hours and a burst of heavy rain with gusty winds. The north of Island caught the heaviest of the rain, receiving about 5mm, while the south had just over 1mm. The rest of the day saw sunny periods and the temperature climbing above 22°C for the first time this month. The following two days were sunny and very warm, with only a gentle breeze.

A weakening cold front passed through the Bailiwick during the early hours of the 17th, giving rain, drizzle and fog for a while, followed by much cooler and windier weather. The highest temperature in the daytime on the 17th was 19.2°C compared to 24.7°C the previous day. After a sunny start on the 18th, cloud from an advancing warm front swept in, with rain, drizzle and fog coming along by that evening. Throughout that night and the following day we stayed in a very moist south-west airflow. This ensured us continued hill fog and drizzle on the 19th, with a clearance not arriving until well after dark.

There was a marked contrast in the weather on the 20th, with an anticyclone bringing unbroken sunshine. Due to north-west winds, though, the temperature was only just above normal. The next day, with the anticyclone further east we had easterly winds, ensuring us a very warm day, with the maximum temperature in the west of the Island reaching 26.4°C. By the 22nd the high had transferred to Germany and declined, allowing thundery low pressure to edge in from the west. The first rumbles of thunder were heard shortly after midnight on the 22nd, with a spectacular display of lightning continuing for up to six hours. There were a couple of brief bursts of heavy rain, but the total was not particularly high. Through the rest of the day we continued to have thunderstorms passing over, but for most of the time the rain was light. Despite a lack of sunshine it became very warm during the afternoon, with the highest temperature reached just before 5 pm, followed by a sharp drop in temperature of more than 8°C as a north-west wind set in. Yet another storm pushed in from the west that evening, this time accompanied by a torrential downpour. The last of the thunder was reported shortly before midnight, with lightning still visible early on the 23rd.

The 23rd and 24th saw unbroken sunshine, but with the temperature lower than the preceding two days. Easterly winds on the morning of the 25th brought more warm weather, but with a thundery trough pushing up from the south in the afternoon and evening. Late on there was a thunderstorm and heavy rain, followed by mist and fog. Murky conditions persisted for much of the 26th, with some more drizzle and fog on the morning of the 27th, before the sun returned that afternoon. A small anticyclone gave us a mainly sunny day on the 28th, although with the lowest temperature for the month during the early hours. Low pressure then edged in for the 29th, but with winds blowing off France it became very warm. During that afternoon we had more thunderstorms, with

some heavy rain during the evening, the last day of the month was much fresher again, with heavy showers coming along in the afternoon, once again accompanied by thunder.

July

A depression covered England and the Channel at the start of the month, despite this, the 1st was a mainly sunny day with the temperature slightly higher than normal. There were one or two showers overnight, followed by dry conditions on the 2nd with sunny periods. By the 3rd low pressure was centred over southern Sweden, with pressure rising steadily across the United Kingdom. The pattern kept us dry with further periods of sunshine and temperatures staying above average. Over the next couple of days a ridge of high pressure continued to extend slowly into western Britain. Due to a flow off the Atlantic, though, a large amount of cloud was picked up, resulting in little sunshine on the 5th and 6th, thus holding down the temperature.

The airflow backed to the southwest for the 7th and 8th, bringing in more sunshine and higher temperatures once more. Moist air and light winds then allowed sea fog to form early on the 9th. This cleared from inland parts of the Island, allowing much warmer conditions, whilst the fog persisted on some coasts for most of the day, keeping them noticeably cooler. A change of wind direction pulled in drier air from France, helping to disperse the fog and allow us a very warm and sunny day. A weak cold front passed through overnight bringing a veer of the wind to the north-west, introducing much cooler air, but otherwise it stayed dry and sunny.

A renewed build of pressure from the south-west gradually brought the wind around to the east again. This change resulted in increased warmth over the following three days. The 14th proved to be a very hot day with a maximum temperature of 29.1°C at the Airport and close to 32°C being recorded on the west coast. By the 15th thundery low pressure had extended northwards over western France. The first thunderstorm occurred late that morning, before the sun came out again during the afternoon. The temperature was noticeably lower than on the 14th, although it was still several degrees above normal. In the early hours of the 16th there were about three hours of thunder, accompanied by bursts of heavy rain. The rest of the day was mainly cloudy, with further rain at times and occasional fog.

On the 17th thundery low pressure was centred over northern England, with a fresh south-west flow covering the Channel. By the 18th the old low had transferred to Scotland, with a ridge of high pressure covering France and a new low approaching western Biscay. This pattern produced a southerly flow across the Channel, with the temperature rising well into the warm category once more. The depression to the west of Biscay then drifted north, with a weakening cold front going through on the afternoon of the 19th, giving cloud, but no rain.

From the 20th to 22nd the Channel was covered by a potentially showery south-west flow on the southern flank of low pressure centred to the west of Ireland. A trough brought some rain shortly after dawn on the 21st, but apart from this it was generally dry with sunny periods. Temperatures also remained slightly above normal. Fronts affected us on the afternoon of the 23rd, with some drizzle continuing into the early hours of the 24th. There were periods of sunshine through the rest of the day, before cloud from the next frontal system spread in later. Cloudy and rain was with us for the morning of the 25th, followed by sunshine in the afternoon.

A small low moved up the Channel on the 26th, giving us rain or drizzle for much of the day, with fog for a while. By dawn on the 7th the low was lying off the coast of Holland, with our skies clearing, to allow a mainly sunny day. The unsettled nature of the weather pattern that prevailed at this time meant that the next depression was soon on its way in. This on brought in rain late on the 28th, with more fronts following the next day, producing more rain and fog. A weak ridge of high pressure crossed the area on the 30th, but the remnants of cloud from the preceding low ensured that we had limited sunshine. The month ended with fronts moving across western Britain, but not getting through to us, resulting in dry conditions as August approached.

<u>August</u>

The heat took a few days to arrive with fronts crossing the British Isles on the 1st, making it a mainly cloudy day with some light drizzle. The fronts had cleared the area by the morning of the 2nd, allowing more sunshine and higher temperatures. Clear skies and light winds the next day saw further increased warmth, before a shift of wind to the east pulled in hot air off France. The highest temperature on the 4th was 29.1°C equalling that for July 14th. A moderate east to south-east wind kept the temperature up overnight, making sleep difficult. The lowest recorded was 23.7°C and the temperature rose steadily through the day to reach 33.7°C by about 4 pm. A

rapid shift of wind direction brought a sharp fall of temperature; down to 18°C by 8 o'clock in the evening as fog rolled in from the west. A continuation of the west wind ensured that the 6th was a cloudy day, with thick fog for a while and a maximum temperature more than 15°C lower than the previous day.

There had been only a subtle change in the weather pattern and over the following three days the wind moved back around to the east gradually pulling in the hotter and drier air from the Continent. From the 8th to the 12th there was virtually unbroken sunshine with the temperature climbing rapidly. The 9th became the hottest day on record at the Airport with a maximum of 34.3°C (93.9°F), although with light winds onshore sea-breezes developed keeping coasts cooler. The temperature remained very high overnight with a reading of 28°C at 2 a.m. on the 10th. Minor changes in the airflow meant that it was less hot over the following three days, although temperatures remained 7 to 8°C above normal.

Towards mid-month the weather became cloudier as weak fronts moved south-east across the United Kingdom. The most significant rain of the month fell in a few hours early on the 16th. The thundery nature of the rain meant that there was an uneven distribution across the Islands, with 16.3mm at the Airport and 31.0mm at Rocquaine, whilst at L'Ancresse just 0.4mm of rain was recorded. The next few days were rather cloudy at times, but it stayed warm and dry.

Pressure began to build from the west on the 18th, following the passage of a weak cold front and the pressure the remained high over southern Britain for most of the next week. Initially winds were westerly, holding the temperature at near normal values, but with plenty of sunshine. Moist air spread in from the Atlantic early on the 22nd bringing low cloud, drizzle and fog. These conditions continued until the next morning, when the sun came out and the temperature rose into the warm category once more. Easterly winds ensured us a very warm and sunny day on the 24th, with similar, but slightly cooler weather for the Bank Holiday.

The weather then started to turn less settled as a developing area of low pressure edged into western Biscay. The 26th saw little sunshine, but only a sprinkling of rain. Despite lowering pressure the 27th turned out to be mainly sunny and very warm with the warmth hanging on here for the 28th as well. By this time much cooler air had spread south through most of the British Isles and we felt the effect of this the following day. The change was marked by a spell of rain and drizzle, with a cloudy day to follow. On the 29th the temperature hardly rose at all doing no better than 15°C during daylight hours. The last two days of the month were generally dry and reasonably sunny, although with lower than normal temperature. Around dawn on the 31st the temperature was down close to 10°C, the lowest in August since 1993.

September

With a large anticyclone centred over the Atlantic and low pressure over eastern Europe, we started the month covered by a light northerly airflow. This gave us mainly sunny and dry conditions, but with the temperature slightly below normal. A ridge of high pressure then extended eastwards across southern Britain pulling the wind around to the east, thereby bringing in some warm and sunny weather. By the 5th the high had transferred to central Europe, allowing the pressure to fall over Britain and western France. There was some light rain early on the 6th, before a weak cold front passed through, introducing brighter, but cooler weather.

A small depression began to edge in towards south-west England on the 7th, with rain or drizzle arriving at around dawn on the 8th. These damp conditions persisted for most of the day before drier weather came in overnight. A transient ridge of high pressure allowed us brighter weather for a while on the 9th, however, an approaching Atlantic weather system brought in cloud and rain that evening. Mainly cloudy conditions continued over the following couple of days with rain or drizzle at times.

A developing anticyclone began to push in from the west on the 11th, with its influence being felt from the 12th to the 17th. Initially there was a large amount of thick high cloud which blocked out the sun for several hours, but by dawn on the 13th the sky was virtually clear of cloud. These clear skies were with us for five days and with a light easterly wind it became warm or very warm. Daytime temperatures from the 13th to 17th varied from 22°C to 24.5°C (72°F to 76°F).

High pressure remained in control of our weather after the 17th, keeping fronts well away from us. The wind, though, veered to between south and west, bringing in areas of cloud and lowering the temperature. On the 20th the wind backed to the south-east again pulling in much warmer air once more. The maximum temperature at the Airport of 24.7°C (76.5°F) is the highest recorded so late in September. On the west coast the temperature

reached nearly 27°C, which is over 80°F. By this stage there was a front lying across northern England, marking a line between the very warm weather over southern England and cooler conditions farther north.

The warm weather held on during the 21st and 22nd, but air of Arctic origin was already pushing into northern Scotland. This much cooler air arrived here during the afternoon of the 22nd, with its appearance being marked by strong winds and a little showery rain. The maximum temperature on the 23rd was only 15.3°C, which is nearly 10°C lower than it had been three days earlier. The following night saw the lowest temperature of the month, but we escaped the exceptionally low temperatures experienced in parts of the United Kingdom. With high pressure dominant for the next three days there was plenty of sunshine, helping to raise the temperature somewhat.

A weak cold front passed though the area on the night of the 26th, bringing cloud, but no rain. For the following couple of days the weather pattern around the British Isles was rather complicated. There was a waving front over France and other fronts affecting western Britain, while we remained dry and reasonably sunny. By the 30th the front over western Britain had edged slightly farther east and developing fronts were moving north across Biscay. These latter fonts brought us rain in the afternoon of the 30th, however the rain was of a light intensity until the early hours of October 1st.

October

With low pressure over the Bay of Biscay and fronts edging slowly north across the Channel, we had a very wet day to start the month. The fronts had moved sufficiently far north by the 2nd to allow us a reasonably sunny and warm day, but cloudy conditions prevailed for the next two days. During the early hours of the 4th a weak cold front passed through, followed by a north-west airflow. This gradually pulled in cold air from the polar regions, although it did give us mainly sunny weather for the 5th.

The flow of air from the north was replaced by westerly winds as a frontal system crossed Ireland. The fronts were quite weak by the time they reached the Islands, but ensuring that it was mainly cloudy with outbreaks of rain or drizzle. With low pressure over the North Sea and an intense high over the Atlantic, there was a steep pressure gradient across the area on the 7th, resulting in the windiest day of the month, despite this temperatures were a touch above normal. The rather breezy, but fairly warm, conditions continued for the following three days. There was little rain, though, but also not much sunshine.

By the 11th there was a small anticyclone over northern France, with a very weak front over the Channel. This gave us a much quieter day, with no rain, however, sunshine was still lacking. The anticyclone then transferred to the north-east introducing an easterly airstream. Apart from the change in the wind there was little change in other aspects of the weather, with dry and rather cloudy conditions persisting.

The 13th saw pressure building over Norway and low pressure and its attendant fronts affecting the Bailiwick. There was heavy rain for a while during the early hours of the 14th and lighter rain at times for the rest of the day. The fronts finally cleared away to the south-west on the 15th as a ridge of high pressure extended towards us from the Norwegian high. The sunnier weather was, though, marked by a lowering of the temperature. The dry and reasonably sunny conditions were with us for another three days, before a weak fronts swung in from Biscay to bring some rain.

The British Isles were being attacked from two directions on the 19th. Low pressure over Biscay and Iberia kept our weather cloudy, while a cold front was moving south across Scotland, followed by an Arctic airflow. The Arctic air reached here on the 20th, bringing a further fall in temperature, but with little rain. A developing low then drifted south over the United Kingdom, with its influence being felt from the afternoon of the 21st onwards, for a couple of days. The result for us was heavy showers and accompanying thunder and lightning, with hail also being thrown into the mix. During on storm in the early morning of the 22nd the temperature dropped to 4.4°C, a figure only beaten once before during October.

Conditions improved on the 23rd as the pressure began to rise once more, with fewer showers and more sunshine. Temperatures, though, stayed well below average, with light winds and clear skies at night allowing a slight ground frost on a few occasions. Every day from the 23rd to 28th had several of sunshine, although there were still one or two heavy showers. The last day of this sequence was the sunniest, but we also experienced the lowest temperature, with a hoar frost occurring by dawn on the 28th. The minimum temperature for this day was 3.5°C a new low record for October.

The weather then changed markedly as a deepening low began to edge south-east towards Britain. The 29th and 30th were both windy days with rain or showers, but also somewhat higher temperatures. On the 31st the pressure was very low at around 975mb, but with the centre of the low to the west of the Brest peninsular we had light southerly winds. These gave us a mainly sunny day and the warmest day for over two weeks.

November

A complex area of low pressure, which had affected us towards the end of October, continued to move away to the north-east on the 1st of this month. Fronts from a new weather system were soon pushing into western Britain, maintaining unsettled conditions. The 1st turned out to be mainly sunny, with rain arriving early on the 2nd and persisting until early that afternoon. This was generally the windiest day of the month, although the strongest winds of all occurred early the next day, when a gust to storm force was recorded.

Over the following couple of days the pressure rose steadily as a developing anticyclone edged into France. This brought us a period of dry and fairly sunny weather, with the temperature above normal. The 6th, indeed, was a very mild day with 16.0°C being reported at the Airport and 17.9°C at Rocquaine. This latter figure is the highest in November since 1989. There was unbroken sunshine on the 7th, although temperatures fell slightly and this fine weather continued until the evening of the 8th, with the temperature falling further.

The approach of a weak cold front from the Bay of Biscay on the 9th, brought us cloud, but little rain and it remained generally cloudy over the next two days as well. A clear night on the 10th was replaced the following day by fog blown in from nearby France. A weakening frontal system moved through the area early on the 12th, with its passage marked by several hours of rain, which cleared through soon after dawn to leave us with a mainly sunny and mild day. Over the next four days the weather alternated between cloudy conditions, with some rain and sunshine. The sunshine on the 16th, though, was to prove to be the last of note for more than a week.

High cloud ahead of an Atlantic front blocked out the sun during the morning of the 17th, with rain & drizzle arriving that afternoon and patches of hill fog that evening. With a west to south-west airflow covering the area we had overcast conditions, with rain or drizzle at times and patches of hill fog. This airflow did, though, keep it mild especially so at night. The approach of a cold front on the evening of the 20th then brought in more significant rainfall.

For nearly four days a front lay close to the Channel Islands, giving us several prolonged periods of rain. Small depressions formed at times on this front, intensifying the rain as they passed by. This front also marked the boundary between rather cold air over much of the United Kingdom and some exceptionally mild air covering France. On the 23rd, for instance, our maximum temperature was 10.4°C, while St. Helier recorded 15°C and Paris reached 19°C. Cloud from the frontal zone continued to cover the Islands on the morning of the 24th, before a transient ridge brought us a fine evening.

There was less than a day's delay, though, before the next set of fronts were pushing in from the west. There was some rain at around dawn on the 25th and again in the evening, with heavier rain following late in the night. Much brighter, but showery conditions reached us towards midday on the 26th. Overnight the sky was clear and with virtually no wind the temperature fell to its lowest value for the month, but the there were at least 5hrs of sunshine through the day. Fronts were once more pushing into western Britain on the 28th, bringing cloud, but no rain until the early hours of the 29th. As happened the previous week, the front ground to a halt near to the Bailiwick, with periods of heavy rain from time to time on the 30th.

December

On the 1st a low moved slowly north from southern Brittany to the Channel. This situation gave us rain throughout the morning and into the afternoon, with a slow moving shower depositing a substantial amount of rain towards midnight. The low then began to fill and drift away to the south-west. At the same time pressure built across the British Isles, resulting in a belt of high pressure lying across the United Kingdom by the 3rd. The weather became much drier with rising temperatures and some sunshine. Over the following few days it was dry, but cloudy, with average temperatures and a strong north-east wind at times.

Late on the 6th a weak cold front cleared through the area from the north-east, followed by clear skies and colder air. The 7th was a sunny, but cold day with a stiff easterly breeze. These conditions were short-lived as a weak front moved up from the Bay of Biscay on the 8th, gradually re-introducing milder weather. The 9th, indeed, turned out to be a pleasant winter's day with unbroken sunshine, a light breeze and the temperature climbing above 10°C. Light winds and clear skies allowed a ground frost to form overnight, followed by another sunny day.

The arrival of a warm front marked a change to three cloudy days, with a mixture of rain, drizzle and hill fog. Fronts were never far away from the Channel during this period, whilst farther north over the United Kingdom conditions were more variable. Due to a south-west airflow it was very mild with the temperature staying in the range from 10 to 13°C for this spell. A cold front finally cleared through the area during the late afternoon of the 13th, introducing much clearer conditions.

A fresh to strong north-west airflow covered the British Isles on the 14th, allowing us a mainly sunny day with a light shower in the morning. Over the following 24 hours an anticyclone edged in from the west, to be centred over southern England by the evening of the 15th. This situation brought quiet and dry weather, but there was little sunshine. The anticyclone then drifted off into the continent with winds swinging to the south-east, pulling in clear air off France. With this weather pattern we managed three mainly dry and sunny days, although it was rather chilly at times.

By the 19th Britain was being approached by fronts from two directions. A cold front was crossing Scotland from the north-west, while a warm front was coming up towards south-west England from the Atlantic. These two came together over Ireland early on the 20th resulting in the development of a vigorous depression, which then moved east across northern England and the North Sea, reaching Denmark by midday on the 21st. On the 20th we had strong south-west winds, bringing us very mild and damp conditions. These were replaced the following day by strong to gale force north-west winds bringing much cooler and showery weather. There were also a couple of heavy hail showers early and late on. Much of northern and eastern Britain had frequent snow showers, hinting at a white Christmas.

Pressure had risen considerably by the morning of the 22nd, but the anticyclone responsible for this had already sunk southwards, allowing fronts to push in from the Atlantic. Behind these fronts much milder, but dull and damp air, spread in. From the 23rd to Boxing Day there was almost no sunshine, rain or drizzle at times and temperatures hovering around 10°C. Late on Boxing Day a cold front passed through; its passage marked by a burst of heavy rain, followed by cooler air from the west.

A new depression began to form over the mid-Atlantic early on the 27th. It deepened gradually as it moved towards Brittany, bringing rain to the Islands by late afternoon. Through the evening and early part of the night the low crossed the Bailiwick, giving several hours of heavy rain, followed by strong winds as the low continued its travels towards southern Scandinavia. A second low then formed over the Atlantic and passed across the Bailiwick early on the 29th, again giving heavy rain. This low then drifted away to the south-east as pressure built over the United Kingdom.

High pressure was in control of our weather for the last two days of the month. This brought light winds and clear spells, leading to a ground frost on both nights. It was cold enough early on the 31st for there to be a noticeable hoar frost in some parts of Guernsey, resulting in icy patches on a few roads.

ANNUAL WEATHER SUMMARY

9	MEAN AIR 1	EMPERATURE °C	RAII	NFALL mm	SUN	SHINE hrs
MONTH	2003	DIFFERENCE FROM AVERAGE	2003	PERCENTAGE OF AVERAGE	2003	PERCENTAGE OF AVERAGE
= 4						* 6
JAN	6.3	-0.3	89.7	100.6	89.5	154.6
FEB	6.4	+0.1	43.7	57.1	95.3	121.6
MAR	9.0	+1.6	46.3	69.4	171.2	135.8
APR	10.6	+1.9	25.1	49.1	239.6	130.8
MAY	12.0	+0.4	45.9	92.5	225.8	96.6
JUN	16.2	+2.2	44.7	96.8	254.9	107.0
JUL	17.8	+1.6	49.6	131.9	243.2	98.0
AUG	19.3 *	+2.7	17.3	37.8	250.0	106.4
SEP	16.6	+1.5	23.4	35.0	227.4	130.7
ост	12.2	-0.4	98.7	110.8	117.8	99.6
NOV	10.8	+1.3	145.8	148.9	80.5	107.5
DEC	8.2	+0.4	131.3	122.4	69.8	133.7
YEAR	12.1	+1.0	761.5	92.4	2065.0	113.5

^{*} NEW RECORD

SUNSHINE

			SUNSHINE (I	hours)			SUNNIE	ST DAY	% OF PC	SSIBLE SUN	SUNLES	S DAYS
MONTH	2003	AVERAGE 1971-2000	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	2003	DATE	2003	AVERAGE 1971-2000	2003	AVERAGE 1971-2000
JAN	89.5	57.9	112.8	1998	26.0	1966	7.9	23rd	33.2	21.5	5	10.7
FEB	95.3	78.4	140.9	1959	36.1	1976	9.1	18th	32.4	26.6	5	6.9
MAR	171.2	126.1	206.1	1973	67.4	1964	11.7	31st	46.6	34.3	6	5.6
APR	239.6	183.2	280.4	1984	122.2	1981	13.0	16th	58.6	44.8	3	2.6
MAY	225.8	233,8	336.4	1989	136.9	1981	14.0	14th	47.8	49.4	2	1.8
JUN	254.9	238.2	355.3	1975	147.8	1977	15.4	24th	53.0	49.5	1	1.9
JUL	243.2	248.1	335.9	1959	167.7	1972	15.1	13th	50.2	51.2	1	1.4
AUG	250.0	235.0	323.0	1955	139.2	1992	13.5	3rd,8th	56.5	53.1	2	1.2
SEP	227.4	174.0	266.5	1959	104.5	1956	12.0	3rd,4th	60.4	46,2	1	2.3
ОСТ	117.8	118.3	176.4	1971	72,6	1968	9.5	17th	35.5	35,7	4	4.6
NOV	80.5	74.9	117.7	1988	38.9	1981	8.6	7th	29.7	27.6	10	6.9
DEC	69.8	52.2	108.9	2001	26.6	1966	7.7	7th	27.4	20.4	9	11.0
YEAR	2065.0	1819.9	2262.8	1959	1532.5	1981	15.4	24-Jun	46.3	40.8	49	56.8

ATMOSPHERE PRESSURE (Millibars) AT MEAN SEA LEVEL

									EXTREME P	RESSURE		
монтн	2003	AVERAGE 1971-2000	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	RECORD HIGHEST		TE & TIME G.M.T.	RECOR	110	DATE & TIME G.M.T.
JAN	1017.7	1017.1	1030.5	1992	1001.1	1948	1045.9	30/1989	0945	966.6	20/1965	1220
FEB	1018.6	1017.0	1032.1	1959	1003.5	1966	1047.5	7/1964	1050	952.5	25/1989	1050
MAR	1022.7	1016.7	1029.9	1953	1003.0	1947	1047.7	3/1990	0930	969.6	13/1951	1630
APR	1016.2	1015.3	1025.1	1954	1002.6	1998	1040.2	10/1947	0800	979.5	16/1998	1620
MAY	1018.4	1015.7	1025.3	1991	1007.8	1983	1036.1	22/1991	0900	991.3	27/2000	2350
JUN	1016.7	1017.8	1024.5	1962	1009.5	1997	1037.5	14/1959	0850	988.9	9/1954	1500
JUL	1016.8	1018.4	1023.5	1969	1013.9	1988	1034.5	12/1969	1150	986,6	3/1988	0845
AUG	1018.8	1017.6	1022.0	1981	1011.9	1963	1036.1	12/1949	0930	982.3	9/1948	0000
SEP	1021.1	1017.1	1024.2	1977	1009.9	1999	1037.3	22/1947	0700	974.7	13/1993	0630
OCT	1013.5	1015.6	1024.5	1971	1003.9	1960	1040.0	26/1969	2200	959.5	16/1987	0200
NOV	1013.1	1016.2	1026.2	1978	1001.5	2000	1041.9	2/2001	0850	965.0	19/1996	1720
DEC	1018.1	1016.0	1029.5	1991	1000.6	1978	1046.0	25/1991	0950	964.2	8/1954	1450
YEAR	1017.6	1016.7	1019.8	1949	1013.4	1960	1047.7	03/02/90	0930	952.5	25/02/89	1050

RAINFALL

			NFALL mm				WET	TEST DAY	RAIN D	AYS (≥0.2mm)	WET	DAYS(≥1.0mm
МОМТН	2003	AVERAGE 1971-2000	RECORD	YEAR	RECORD LOWEST	YEAR	2003	DATE	2003	AVERAGE 1971-2000	2003	AVERAGE 1971-2000
	(##/m1		"Lavara	2220	ACCUSE.							
JAN	89.7	89.2	210.0	2001	15.4	1992	22.7	18th	20	19.0	12	14.8
FEB	43.7	76.5	182.8	1978	4.8	1965	11.3	28th	15	16.3	11	12.3
MAR	46.3	66.7	179.6	2001	2.7	1961	9.1	3rd	8	16.3	8	12.0
APR	25.1	51.1	130.4	1966	2.9	1980	5.3	27th	8	12.9	6	9.5
MAY	45.9	49.6	128.7	1994	4.1	1989	8.1	23rd	16	11.8	12	8.5
JUN	44.7	46.2	129.7	1986	0.6	1976	14.9	22nd	13	10.6	7	7.2
JUL	49.6	37.6	120.2	1960	3.9	1999	14.2	15th	11	9.7	11	6.7
AUG	17.3	45.8	122,0	1951	3.8	1955	16.3	15th	3	10.2	1	7.2
SEP	23.4	66.8	194.5	1952	6.9	1997	12.1	8th	6	13.5	3	9.9
ОСТ	98.7	89.1	233.9	1960	3.4	1978	29.8	1st	18	16.3	12	12.5
NOV	145.8	97.9	192.5	1965	16.1	1978	24.3	21st	20	18.5	16	14.8
DEC	131.3	107.3	249.6	1999	28.1	1953	31.5	1st	18	19.1	14	15.5
YEAR	761.5	824.0	1317.0	1960	531.3	1989	31.5	01-Dec	156	174.1	113	130.6

^{*} NEW RECORD

TEMPERATURE °C

	MEAN	MUMIXAN		HIGHEST M	IAXIMUM		MEAN	MINIMUM		LOWEST M	INIMUM	180
MONTH	2003	AVERAGE 1971-2000	2003	DATE	RECORD HIGHEST	DATE	2003	AVERAGE 1971-2000	2003	DATE	RECO LOWE	
JAN	8.2	8.4	12.9	1st	13.3	4/1948	4.5	4.7	-1.7	7th,8th	-7.8	20/1963
FEB	8.2	8.2	12.0	24th	15,0	29/1948	4.6	4.4	-0.2	18th	-7.2	21/48,7/91
MAR	11.4	9.6	17.5	26th	19.4	29/1965	6.7	5.2	3.4	20th	-2.2	10,11/1958
APR	13.6 *	11.2	24.3 *	16th	23.0	22/1984	7.7	6.2	2.3	10th	-1.4	11/1986
MAY	14.9	14.4	25.9 *	30th	25.7	5/1995	9.2	8.7	5.7	8th	0.1	2/1979
JUN	19.8	16.9	25.7	22nd	30.8	26/1976	12.7	11.1	9.3	28th	5.4	1/1975
JUL	20.6	19.2	29.1	14th	31.7	1/1952	14.9	13.2	12.1	7th	8.3	8/1954
AUG	22.9 *	19.5	34.3 *	9th	32.8	3/1990	15.6	13.7	10.8	31st	9.2	28/1986
SEP	19,7	17.6	24.7	20th	30,6	2/1961	13.5	12.5	10.1	24th	5.8	28/1974
ост	14.4	14.7	19.4	2nd	23.3	4,5/1959	10.0	10.5	3.5 *	28th	3.9	30/1983
NOV	12.6	11.4	16.0	6th	16.8	1/1999	9.0	7.7	4.4	27th	0.0	(18/52,19/85 (22,28/93
DEC	9.8	9.6	12.8	13th	15.6	6/1953	6.5	6.0	2.2	8th	-3.8	24/1963
YEAR	14.7	13.4	34.3	09-Aug	32.8	03/08/90	9,6	8.7	-1.7	7th,8th	-7.8	20/01/63

		MEAN	DAILY AIR TEI	MPERATURI	E				MEAN DAILY	RANGE		
монтн	2003	AVERAGE 1971-2000	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	2003	AVERAGE 1971-2000	RECORD HIGHEST	YEAR	RECO	100000000000000000000000000000000000000
JAN	6.3	6.6	8.6	1993	1.5	1963	3.7	3.7	4.7	1984	3.1	1957,66,76,91,9
FEB	6.4	6.3	9.0	1990	1.5	1986	3.6	3.8	4.6	1988	3.0	1986
MAR	9.0	7.4	10.3	1957	4.4	1962	4.7	4.4	6.4	1953	3.7	1964,81,88
APR	10.6	8.7	10.9	1961	6.4	1986	5.9	5.0	6.3	1984	3.7	1994
MAY	12.0	11.6	13.9	1989	9,9	1984	5.7	5.7	7.3	1989	4.6	1981
JUN	16.2	14.0	16.7	1976	11.3	1972	7.1	5.8	8.3	1976	4.1	1977
JUL	17.8	16.2	19.4	1983	13.8	1954	5.7	6.0	7.9	1983	4.4	1954
AUG	19.3 *	16.6	19.1	1995	14.3	1956	7.3	5.8	7.3	1955	4.3	1958
SEP	16.6	15.0	17.5	1949	12.8	1986	6.2 *	5.0	6.1	1961	3.6	1967
ост	12.2	12.6	15,2	2001	9.6	1974	4.4	4.1	5.1	1947	3.5	1968
NOV	10.8	9.3	12.0	1994	7.7	1993	3.6	3.7	4.9	1969	2.8	1994
DEC	8.2	7.4	10.1	1953	4.6	1950	3.3	3.6	4.5	1968	2.8	1987
YEAR	12.1 *	11,1	12.1	1989	9.6	1963	5.1	4.7	5.2	1949,89,90	4.3	1977

, L	LOW	EST GRASS MI	NIMUM TEM	PERATURE		DAYS WITH AI	R FROST		DAYS W	ITH GRASS MINI	MUM BELO	W 0°C
MONTH	2003	DATE	LOWES		2003	AVERAGE 1971-2000	RECORD HIGHEST		2003	AVERAGE 1971-2000	RECORD HIGHEST	YEAR
JAN	-5.5	12th	-10.0	29/1947	3	2.5	16	1963	11	7.4	20	1985
FEB	-4.7	6th	-111.1	12/1978	9	2.6	18	1986	9	7.8	24	1956
MAR	-1.6	20th,21st	-9,4	3/1965	0	0.6	4	1947	3	7.0	18	1955
APR	-6.9	11th	-7.0	5/1990	0	0.1	1	1978,86	7	4.5	10	1984
MAY	-1,1	6th	-5.6	5/1979	0	0.0			3	2.0	9	1979
JUN	3.0	28th	-3.0	14/1987	0	0.0	**		0	0.3	3	1987,89
JUL	5.0	7th	1.0	7/1996	0	0.0			0	0.0	2.00	
AUG	2.3	31st	0.8	11/1981	0	0.0			0	0.0		
SEP	1.4	29th	-1.0	23/1979	0	0.0			0	0.1	i	1979,86,87
ОСТ	-3,3	25th	-4.0	30/1983	0	0.0	-		5	0.5	6	1992
NOV	-1.8	28th	-5,6	29/1987	0	0.0			3	3.3	9	1988
DEC	-4.5	10th	-8.9	29/1964,27/1995	0	1.0	5	1970	6	5.4	10	1976
YEAR	-6.9	11-Apr	-11.1	12/02/78	4	6.7	31	1963	47	38.4	62	1985

^{*} NEW RECORD

NUMBER OF DAYS WITH

			FOG					Т	HUNDER	
MONTH	2003	AVERAGE 1971-2000	RECORD HIGHEST	YEAR	RECORE LOWEST		2003	AVERAGE 1971-2000	RECORD	
	3									
JAN	7	5.8	13	1955,82	2	1963,67,72,74,92	0	8.0	4	1979,98
FEB	4	7.0	15	1979	0	1969	0	0.5	3	1957,89
MAR	10	7.9	16	1960,94	0	1968,73	0	0.5	4	1958,67,82,87,95
APR	3	6.0	16	1963	2	1976,90	0	0.7	4	1981,95
MAY	10	7.1	19	1964	2	1988,02	1	1.2	4	1950,71
JUN	10	9.9	18	1965	1	1975	5	1.3	6	1982
JUL:	5	11.2	20	1972,78	4	1966	2	1.6	5	1982,94
AUG	11	9.4	21	1997	2	1976	0	1.4	5	1974
SEP	. 4	5.6	15	1987	0	1952,53,72	0	1.2	10	1976
ОСТ	0	4.0	17	1986	0	1971,73	4	1.4	5	1964
NOV	5	3.9	14	1992	0	=	0	8.0	4	1969
DEC	4	4.6	11	1995	0	1947,64,75	0	1.1	4	1976,93
YEAR	73	82.6 .	115	1994	55	1989	12	12.3	21	1982,95

		SNOV	V OR SLEET				HA	īL .		
MONTH	2003	AVERAGE 1971-2000	RECORD HIGHEST	YEAR	2003	AVERAGE 1971-2000	RECORD HIGHEST		RECORD LOWEST	
										λ
JAN	5	2.9	12	1963,85	8	5.4	13	1984,85	0	1955,64,70,92,93
FEB	1	3.9	18	1956	4	3.9	13	1988	0	- , '
MAR	0	1.7	10	1962,70	1	3.9	9	1979	0	-
APR	0	0.9	4	1970	0	3.0	10	1994	0	
MAY	. 0	0.1	3	1979	1	0.6	3	1955,82	0	-
JUN	0	0.0		-	0	0.1	1	1986,87	0	€:
JUL	0	0.0		-	0	0.1	4	1971,87,94	0	ne:
AUG	0	0.0		=	0	0.2	1	-	0	- "
SEP	0	0.0		-	0	0.4	2	1973,74,84	0	en e
ост	О	0.0		-	3	1.7	7	1992	0	
NOV	0	0.6	5	1980	2	4.2	11	2000	0	1948,55,83,94,95
DEC	0	1.6	8	1962,70	1	4,5	10	1979,82,86,93	0	1964,68,75
YEAR	6	. 11.6	30	1962,63,70,79	20	28.1	50	1986	10	1964

		RAIN	DAYS(≥0.2mr	n)			WET	DAYS(≥1.0mn	n)	
монтн	2003	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR	2003	RECORD HIGHEST	YEAR	RECORD LOWEST	YEAR
JAN	20	31	1948	4	1992	12	28	1948	3	1992
FEB -	15	26	1970,95	2	1959	11	23	1951	1	1965
MAR	. 8	27	1979	3	1961	8	21	1947	1	1961
APR	8	21	1983	3	1976	6	18	1966	1	1976,80
MAY	16	26	1981	2	1989	12	19.	1981	1	1989
JUN	13	21	1991	3	1975,76	7	14	1987,91	0	1976
JUL	11	20	1960	3	1999	11	15	1950	1	1999
AUG	3	21	1963	1	1976	1	18	1992	1	1955,76
SEP	6	23	1950,52	4	1959,97	3	21	1950	2	1959,97
OCT	18	28	1981	5	1965,78	12	24	1981	1	1978
NOV	20	27	1960	8	1978	16	25	1960	5	1988
DEC	18	28	1993	8	1991	14	26	1959	5	1991
YEAR	156	212	1960	138	1971	113	175	1960	96	1953

WIND SPEED

	MEAN SPE	ED (KNOTS)		NUMBER	OF DAYS O	GALES		HIGHES	T GUST (KNO	TS)
MONTH	2003	AVERAGE 1971-2000	2003	AVERAGE 1971-2000	RECORD HIGHEST	YEAR	2003	DATE	RECORD HIGHEST	DATE
JAN	14.7	14.7	1	2.6	11	1984	51	2nd	- 77	25/1990
FEB	11.3	13.3	0	1.5	10	1990	42	28th	69	9/1988,11/1990
MAR	10.5	12.6	0	1.0	6	1980	46	7th	70	10/1982
APR	10.5	11.9.	0	0.3	2	1964,72,83,94 1954,55,58	42	19th	60	9/1994
MAY	10.4	11.1	1	0.1	1	1962,72,79,96	52	2nd	58	19/1996
JUN	8.4	10.6	0	0.0	o	-	38	14th	51	16/1965
JUL	8.8	10.3	o	0.0	4)	1956,69	31	16th,17th	63	31/1983
AUG	- 8.3	9.7	0	0.0	1	1956,61,86	31	14th	52	26/1986
SEP	8.3	11.1	0	0.2	2	1953,65,74,83	41	22nd	60	29/1962
ост	12.4	12.5	0	0.9	5	2002	46	7th	81	16/1987
NOV	11.9	13.5	0	1.3	8	1977	49	3rd	73	23/1984
DEC	13.6	14.5	0	2.2	9	1979	45	26th,29th	83	15/1979
YEAR	10.8	12.1	2	10.1	20	1972	52	02-May	83	15/12/1979

	DIRECTION	350	020	050	080	110	140	170	200	230	260	290	320	SPEED
MONTH	RANGE SPEED		-040	-070	-100	-130	-160	-190	-220	-250	-280	-310	-340	ONLY
MONTH	RANGE	: 0	n											
	0-3 knots					= 1	-	-1		UE OCCUPI	U= 30.00	201 0	=0 1997si	1.6
JAN	4-10 knots 11-21 knots	1.1 4.8	3.1 4.8	1.2 3.9	1.9 6.3	0.1 2.3	2.2	1.7 6.2	3.4 8.6	1.3 6.9	3.0 9.7	2.4 6.9	2.2 4.4	21.4 66.9
,	22-33 knots	1.5		0.0	0.3	2.0		0.7	0.4	0.8	2.2	2.2	2.0	9.9
	≥34 knots DIRECTION ONLY	7,4	7.9	5.1	8.5	2.4	2.2	8.6	12.4	9.0	140	0.1	0.6	
	0-3 knots	-	7.5	-	0.5	- 2.4	- 4.4	- 0.0	12.4	9.0	14.8	11.6	8.6	3.1
	4-10 knots	1.8	3.7	3.0	2.7	6.4	4.2	4.5	10.0	2.4	0.1	0.6	1.6	40.9
FEB	11-21 knots 22-33 knots	0.6	0.3	5.2	6,8	14.3	5.7	3.3	2.2	1.5	3.7 1.0	4.5 0.6	6,0 0.3	54.0
	≥34 knots										1.0	0.0	0.3	1.9
	DIRECTION ONLY 0-3 knots	2.4	4.0	8.2	9.5	20.7	9.8	7.7	12.2	3.9	4.9	5.7	7.9	
	4-10 knots	1.1	5.9	9.0	5.6	4.4	2.7	5.9	6.5	1.2	1.9	2.8	1.5	3.9 48.5
MAR	11-21 knots	0.4	2.0	12.5	12.0	1.3	3.4	2.6	5.4	3.6	2.2	1.2	0.9	47.4
	22-33 knots ≥34 knots	100		0.1								Ti .		0.1
	DIRECTION ONLY	1.5	7.9	21.6	17.6	5.8	6.0	8.5	11.8	4.8	4.0	4.0	2.4	
	0-3 knots 4-10 knots	3.2	3.5	9.7	6.1	7.4	5.0	4.3	6.5	1.7	-	0.8	2.4	4.4 50.6
APR	11-21 knots	1.3	1.1	10.3	8.5	3.3	0.8	2.2	4.9	4.0	1.0	1.3	2.8	41.4
	22-33 knots ≥34 knots	-		3.3						0.1	0.1			3.6
	≥34 knots DIRECTION ONLY	4.4	4.6	23.3	14.6	10.7	5.8	6.5	11.4	5.8	1.1	2.1	5.1	
	0-3 knots	5	3000	2022	-	i e	36		-	-	-	-	-	3.9
MAY	4-10 knots 11-21 knots	1.9	1.5	4.7 0.5	2.8	2.3	4.7 0.7	4.0 2.0	9.5 8.1	4.8 11.3	6.5 12.0	5.9 6.6	2.7 1.1	51.3 42.2
21250000	22-33 knots						0	2.0	0.3	0.7	1.6	0.0	3.1	2.6
	≥34 knots DIRECTION ONLY	1.9	1.5	5.2	2.8	2.3	5.4	6.0	17.9	16.8	20.0	12.5	3.8	
	0-3 knots	-	-	-	-	- 2,3	3,4	6,0	1.7.9	10.0	20.0	12.5	3.8	8.6
JUN	4-10 knots	2.2	6.8	6.3	3.9	6.3	5.6	6.7	8.6	7.6	2.8	6.1	4.4	67.2
JUN	11-21 knots 22-33 knots	0.1	0.8	1.5	1.9	8.0		0.4	0.3	8.6	8.2 0.1	1.1	0.1	24.0
	≥34 knots		-70	202	1	200	===		1					0.,
	DIRECTION ONLY 0-3 knots	2.4	7.6	7.8	5.8	7.1	5.6	7.1	8.9	16.3	11.1	7.2	4.6	7.0
- 1	4-10 knots	1.9	2.3	3.1	2.6	3.5	5.2	5.2	14.0	6.9	4.7	8.9	5.6	7.9 63.8
JUL	11-21 knots 22-33 knots		0.3	8.0	1.7		0.3	1.1	3.5	8.9	8.9	2.0	8.0	28.2
	≥34 knots						Ì					-		
	DIRECTION ONLY	1.9	2.6	3.9	4.3	3.5	5.5	6.3	17.5	15.7	13,6	10.9	6.5	
	0-3 knots 4-10 knots	6.3	8.9	8.3	3.6	4.3	1.2	1.1	1.9	3.5	6.7	9.9	10.2	8.1 66.0
AUG	11-21 knots	0.3	3.2	13.7	3.9				0.7	1.9	2.0	0,1	10,2	25.8
	22-33 knots ≥34 knots	14		0.1	1									0.1
	DIRECTION ONLY	6.6	12.1	22.2	7.5	4.3	1.2	1.1	2.6	5.4	8.7	10.1	10.2	
	0-3 knots 4-10 knots	1.8	8.6	7.4	-		7.1	- 40	-	#0 20%		~	 2	5.1
SEP	11-21 knots	0.8	1.3	7.4 2.4	8.2 1.1	11.9 0.7	7.1	4.3 1.4	4.2 1.0	4.7 1.5	5.0 6.0	6.8 3.2	1.7 3.3	71.7 22.6
0 11	22-33 knots					18000			13.4	0.1		0.3	0.1	0.6
	≥34 knots DIRECTION ONLY	2.6	9.9	9.7	9.3	12.6	7.1	5.7	5.1	6.4	11.0	10.3	5.1	
	0-3 knots				- 2	=	=0		21	=	11.0	-	- 0.1	3.6
ост	4-10 knots 11-21 knots	5.8 2.7	11.4 4.8	14.2 7.4	19.9 13.4	2.2 0.9	2.6 0.8	1.3	2.7 1.5	4.3	12.9	10.3	8,7	34.0
- তেওঁৰ	22-33 knots		0.1	2.4	10.4	0.9	0.8	0.3	1.0	3.4 0.3	8.3 1.6	7.5 0.9	5.8 0.1	56.9 5.5
-	≥34 knots DIRECTION ONLY	5.8	11.4	14.2	10.0	0.0	0.0	4.0						
	0-3 knots	5,8	11.4	14.2	19.9	2.2	2.6	1.3	2.7	4.3	12.9	10.3	8.7	4.3
NOV	4-10 knots	2.2	1.8	1.1	1.4	3.3	7.6	5.3	4.7	5.3	1,1	1.1	3.1	38.1
NOV	11-21 knots 22-33 knots	5.1	2.1	0.3	4.6	1.3	8.2 0.3	3.6 0.6	8,5 1.5	11.1 3.1	2.8 0.4	1.4	2.9	51.8 5.8
	≥34 knots	t i⊊.a	12 E										0	0.0
	DIRECTION ONLY 0-3 knots	7.4	3.9	1.4	6.0	4.6	16.1	9.4	14.7	19,4	4.3	2,5	6.0	6.7
	4-10 knots	0.5	1.7	2.8	6.7	4.7	3.9	1.7	2.2	0.3	0.9	2.7	1.2	6.7 29.4
DEC	11-21 knots 22-33 knots	1.2	1.7	2.3	4.3	1.9	7.4	3.6	8.5	4.0	3.6	4.0	5.1	47.7
	≥34 knots	0.4	2.4	1.6	1.5	0.1	0.5	0.1	8.0	1.3	2,3	2.8	2.2	16.1
	DIRECTION ONLY	2.2	5.9	6.7	12.5	6.7	11.8	5.5	11.4	5.6	6.9	9.5	8.5	
0	0-3 knots 4-10 knots	2,3	4.5	5.1	4.3	4.6	4.1	3.8	6.0	3.4	3.0	4.2	3.3	5.1 48.6
YEAR	11-21 knots	1.4	1.9	5.1	5.4	2.1	2.4	2.2	4.4	5,6	5.7	3.3	2.8	42.4
	22-33 knots ≥34 knots	0.2	0.2	0.6	0.1	(0.01)	0.1	0.1	0.3	0.5	8,0	0.6	0.4	3.9
	DIRECTION ONLY	3.9	6.6	10.8	9.9	6,8	6.5	6.1	10.7	9.5	9.5	(0.01) 8.1	6.4	(0.01)

GUERNSEY AIRPORT MET OFFICE 2003

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

0520-2120 Local Time

DATE	JAN	FEB	MAD	ADD	LAAV	Luciki	1 1111	L	0==	-	Lugar		7
	1	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	
2	2.0		2.0		-	1.5	<u> </u>	1.0				-	
3	_		7.0		-	1.0	-	-				-	
4	-		7.0			-	-						-
5			2.5										1
6		1.0	0.5					2.0					4
7		1.0			-	1.0		10.0		-	-		1
8					1.0	1.0		4.0	0.5				1
9					1.0		4.5		0.5				1
10							4.5						
11			2.5		0.5						7.0	4.0	-
12			2.0		0.5						7.0	4.0 3.5	1
13												4.0	-
14	5											4.0	1 .
15												7	1
16					0.5		2.5						
17			-			1.0		1.5			1.5		1
18		`				3.0		0.5			1.0		1
19		1	0.5			11.5				30	1.0		1
20			2.5							V.		1.0	1
21		¥			11.5				5.0				1
22					3.5			11.5					
23					7.0		0.5	5.0					· ·
24		2											
25	2.5			0.5									1
26	13.0			1.5		8.5	1.5				v		1
27	10.0	4.0			2.0	0.5		3.0		-			
28		4.0	1.5	0.5	3.5								1
29			13.0				4.0				0.5		
30			3.5		00	2.5							İ
31					5.5			=					10-
Tot Hrs	27.5	9.0	35.5	2.5	35.0	29.0	13.0	38.5	5.5	.0.0	11.0	12.5	219.0
Tot Days	4	3	10	3	9	8	5	9	2	0	5	4.	62

Averages for Period 1991-2002

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	1
Hours	18.6	25.2	30.4	23.0	18.8	20.9	34.1	21.4	7.3	5.5	11.1	11.9	228.0
Days	4.5	5.8	8.2	6.2	5.8	7.3	10.0	8.3	2.7	3.0	3.6	4.3	69.6

GUERNSEY AIRPORT MET OFFICE 2003

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

0520-2120 Local Time

DATE	JAN	FEE	3 MAI	R APF	MAY	JUN	JUL	. AUG	SEP	OCT	NOV	DEC	
1	1.5		4					1.0	- OLI	-	NOV	DEC	4
2	:*					0.5		1.0	+	1			\dashv
3			3.0			0.0	_		_	1			-
4			1.0				† –		1		1		4
5						1		1.5	1	-	-		4
6								7.0			-	-	-
7	41					0.5		2.5	_	 	-		-
8		14.				1 0.0		2.5	+		-	-	-
9	-						3.0			 			+
10							0.0		 	 			-
11		4 12			0.5				+				
12											3.0	1.5	-
- 13												3.0	
14									1			1.0	-
15	7 00	7						 					-
16												= '-	-
17								1.0					-
18						2.5		1.0			0.5		-
19						6.0					0.5		\cdot
20	4		2.5			0.0							
21					10.0				5.0	Total		0.5	1
22	6				2.0			5.0	5.0			,	ł
23					2.5			3.5					
24								0.0					
25	1.5									-			
26	12.5			0.5		4.5	0.5						
27	9.5	0.5				7.10	0.3	1.5					
28		0.5			1.0			1.3					
29			6.0				1.0						
30	_						1.0						
31					4.5	31 V					5-2600	-	
t Hrs	25.0	1.0	12.5	0.5	20.5	14.0	4.5	23.0	5.0	0.0	2.5	0.0	24124
t Days	4	2	4	1	6	5	3	8	1	0.0	3.5	6.0 4	11

Averages for Period 1991-2002

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nove		7
Hours	9.3	12.2	14.1	11.9	8.7		15.9			OCL	NOV	Dec	
Days	2.8	3.2	4.6	3.8	3.5				2.6	1.7	3.8	4.5	102
		0.2	4.0	3.0	3.5	4.1	6.3	5.1	1.2	1.3	1.7	1.7	39.

монтн	MEAN	LUCLIEOT		ATURE °C				RAINFALL mn		MEAN	OI OUD
	MUMIXAN	HIGHEST MAXIMUM	DATE	MEAN MINIMUM	LOWEST MINIMUM	DATE	TOTAL	WETTEST DAY	DATE	RH% AT 9 a.m.	OKTAS AT 9a.n
JAN	9.1	13.7	1st	5.4	-1.4	8th	73.6	20.1	18th	79.7	5.4
FEB	9,3	13.4	24th	4.9	-0.9	18th	48.6	14.4	28th	83.3	5.6
MAR	13.3	19.8	26th	6.9	3.3	19th	44.9	8.8	11th	83.9	4.7
APR	15.3	24.0 *	17th	7.6	1.7	9th,10th	26.6	6.6	25th	70.9	3.6
MAY	16.2	24.9	29th	10.0	7.0	7th	47.1	6.8	10th,18th	81.8	5.0
JUN	, 20.8	26.4	21st	13.1	11.0	16th	46.3	20.8	22nd	79.4	
JUL	22.1	31.8	14th	15.5 *	13.1	12th	49.0	16.7	15th	80.0	5.1
AUG	23.8 *	35.0 *	5th	16.0	11.7	31st	31.7	31.0	15th		6.0 4.7
SEP	20.9	26.9	20th	13.5	7.6	24th	19.6	9.3	8th	77.8	
OCT	15.5	19.9	2nd	10.2	1.7 *	28th	102.5	31.1	1st	75.7	4.2
NOV	13.4	17.9	6th	9.6	4.4	27th	143.2	27.7		80,2	5.4
DEC	10.6	13.6	12th	6.2	0.0	8th,31st	125,3		21st	85.9	5.9
VEAD	145.4	W.		-			120.0	34.4	1st	83.7	5.4
YEAR	15.9	35.0	05-Aug	10.0	-1.4	8th	758.3	34.4	01-Dec	80.2	5.1

MONTH	MEAN	LUCUEOT	TEMPERA					RAINFALL mm		T
OILII	MAXIMUM	HIGHEST MAXIMUM	DATE	MEAN MINIMUM	LOWEST MINIMUM	DATE	TOTAL	WETTEST	DATE	SUNSHINE
JAN	9.4	13.8	1st	5.3	-0.1	8th,24th	82.6	22.0	18th	86.6
FEB	9.7	13.6	23rd	5.0	0.1	6th,10th	43.6	11.8	28th	99.8
MAR	12.6	16.6	26th	6.9	0.0	20th	49.4	9.7	27th	161.9
APR	14.6	19.7	16th	7.3	-0.1	11th	28.4	6.6	27th	237.3
MAY	16.3	24.4	30th	9.8	4.5	15th	41.0	6.5	23rd	237.3
JUN	20.5	26.2	29th	13.2	10.1	24th	42.8	17.9	22nd	
JUL	21.7	25.7	14th	15.1	9.3	7th	39.0	11.3	15th	252.7 234.0
AUG	22.4	31.0	9th	15.8	9.0	31st	2.9	1.6	28th	
SEP	20.8	26.5	20th	13.4	7.7	26th	21.9	10.6	8th	222.8
ост	15.3	21.1	2nd	10.7	1.0 *	28th	112.8	33.2	1st	218.6
NOV	. 13.5	17.6	6th	9.6	4.5	27th	148.8	25.8	22nd	120.4
DEC	10.7	14.1	12th	6.2	-1.0	31st	120.3	29.4	27th	83.0 68.9
/EAR	15.7	31.0	09-Aug	9.9	-1.0	31-Dec	733.5	33.2	01-Oct	08.9

* NEW RECORD

Note:- Sunshine figures have been adversely affected at times by a nearby tree and roof

REPORT FOR SARK

	200-00		TEMPERAT	URE °C				RAINFALL mm		
MONTH	MEAN MAXIMUM	HIGHEST MAXIMUM	DATE	MEAN MINIMUM	LOWEST	DATE	TOTAL	WETTEST	DATE	SUNSHINE
4								DAT		HRS
JAN	8.7	13.0	1st	4.8	-2.0	8th	73.5	19.4	120.2	
FEB	8.7	12.1	23rd,24th	4.8	0.1	18th, 19th	37.1	8,7	1st 28th	91.2
MAR	12.4	18.5	26th	6.7	4.1	31st	43.0	8.8	10th	111.0 179.7
APR	14.8	23.3	16th	8.0	3.9	11th	28.0	8.0	23rd	255.6
MAY	16.0	25.2	30th	9.4	7.1	7th	39.2	9.9	23rd	240.1
JUN	20.9	26.3	29th	12.9	11.1	5th	48.6	23.4	22nd	264.8
JUL	22.1	29.3	13th,14th	14.8	12.9	6th	51.3	17,2	15th	258.5
SEP	23.5	33.2	9th	16.3	12.0	31st	9.3	8.8	15th	259.0
OCT	21.8 15.0	26.0	16th,17th	13.9	10.6	29th	27.3	18.8	8th	237.1
		19.8	2nd,13th	10.1	5.0	22nd,28th	91.6	18.0	22nd	125.7
NOV	13.0	14.9	3rd	9.2	5.0	27th	130.7	25.8	22nd	82.3
DEC	10.1	13.1	12th	6.2	3.1	31st	77.5	19.6	27th	64.8
/EAR	15.6	33.2	09-Aug	9.8	-2.0	08-Jan	657.1	25.8	22-Nov	2169.8

REPORT FOR ALDERNEY

			TEMPER	RATURE °C						T ===
MONTH	MEAN MAXIMUM	HIGHEST MAXIMUM	DATE	MEAN MINIMUM	LOWEST	DATE	TOTAL	WETTEST DAY	DATE	SUNSHIN HRS
								-		
JAN	8.7	13.2	1st	5.7	-0.4	7th,8th	75.8	29.8	2nd	75.2
FEB	8.9	13.6	24th	5.6	8.0	18th, 19th	35.9	9,9	28th	
MAR	11.2	15.9	23rd	7.2	2.4	20th	32.9	6,1		98.6
APR	13.7	19.1	14th,16th	8.1	4.0	10th	26.3		3rd	172.9
MAY	14.7	23.0	30th	10.2	6.4	15th		8.6	28th	228.8
JUN	19.0	24.4	16th	13.7			44.6	7.3	11th	231.9
JUL	20.1	24.8	14th		11.4	9th	51.3	21.8	22nd	250,0
AUG	21.3	29.1	9th	15.9	14.1	2nd	52.5	17.5	16th	256.7
SEP	19,5		2000	16.5	10.9	31st	22.9	20.2	16th	244.6
		23.5	17th	14.6	9.6	25th	20.2	14.9	8th	213.4
ОСТ	14.5	19.1	2nd	11.4	5.2	28th	107.4	38.2	31st	
NOV	13.0	17.7	6th	9.9	6.0	27th	118.6	30.2		101.5
DEC	10.1	13.2	12th,13th	7.1	2.8	8th	94.9		23rd	75.8
YEAR	14.5	20.4	44.		=14	Oil	54.5	37.0	29th	68.2
	1970	29.1	09-Aug	10.5	-0.4	7,8-Jan	683.3	38.2	31-Oct	2017.6

Guernsey Met. Office photo archive

Double rainbow during autumn shower



Cumulonimbus over Guernsey Airport – November 2003



2

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT JANUARY 2003

DAY	DATE	BAROMETER		TEM	PERATU	RE d	eg C			WIN	ID.		RAIN	SUN	20
		mb		AIR		GRASS	S	OIL	DIR'N	SP	EED(kno	ots)			WEATHER
× 4		at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX	mm	hrs	
WED	- 1	999.0	12.9	9.2	11.1	7.8	9.8	10.0	210	19	17.7	41	17.9	0.1	Cloudy, rain or drzl am, ocnl fog. Ocnl fine evng bec cloudy later
THU	2	984.0	12.3	8.6	10.5	8.2	10.0	10.1	220	18	20.9	<u>51</u>	3.0	1.3	Cloudy, hvy rain early. Tempo fog bec fair to cloudy. Shwrs. Gale
FRI	3	998.6	11.2	5.8	8.5	5.4	9.7	10.1	260	07	10.7	31	3.2	2.0	Fair to cloudy. Shwrs early & evng
SAT	4	1011.9	5.9	1.6	3.8	1.1	9.1	10.1	350	14	10.4	28	2.2	1.8	Fair to cloudy, shwrs. Hvy hall shwr early pm. Sit snow. Fine evng
SUN	5	1015.7	5.3	0.8	3.1	-3.5	8.0	10.0	100	08	10.8	26	TR	5.6	Fine, slt hoar frost. Slt snow shwr. Fair, dry air. Fine pm
MON	6	1014.9	6.6	2.4	4.5	-0.4	7.2	9.7	090	06	10.1	21	0.4	2.7	Fine bec fair, ocnl cloudy. Sit rain or hail shwrs
TUE	. 7	1016.0	3.4	-1.7	0.9	-1.9	6.7	9.4	100	19	18.5	34	NIL	NIL	Cloudy bec fine. Cloudy again mid am. Fair late
WED	8	1013.5	1.5	-1.7	-0.1	-3.1	5.6	8.9	080	17	17.9	34	0.2	6.1	Fair ocnl fine. Dry air. Snow shwrs evening
THU	9	1017.2	3.4	-0.4	1.5	-2.5	5.0	8.5	040	19	18.5	35	0.3	NIL	Fair bec cloudy, Snow shwrs mid am. Cloudy, ocni fair evng. Dry air
FRI	10	1028.2	6.6	3.1	4.9	0.6	4.8	8.2	020	10	13.3	29	TR	1.0	Sleet shwr early, Ool fair am. Hail mid am. Cloudy, Fair evng
SAT	11	1033.7	5.1	1.0	3.1	-1.1	5.1	7.9	080	15	13.6	30	NIL	5.3	Cloudy, shwrs early. Hail shwr. Bec fair. Tempo cloudy early pm. Fine
SUN	12	1037.8	6.2	1.0	3.6	-5.5	5.1	7.8	020	02	5.7	16	TR	6.0	Fair or fine bec cloudy evng
MON	13	1035.3	9.5	5.1	7.3	-0.5	5.2	7.5	280	11	12.5	24	0.2	0.1	Cloudy. Sit rain or drzi pm
TUE	14	1035.0	9.3	8.0	8.7	5.8	6.1	7.4	240	12	14.0	26	NIL	NIL	Van 12 am 11 11
WED	15	1025.9	8.9	7.2	8.1	5.2	6.4	7.5	200	15	14.1	29	2.8	0.7	Cloudy. Tempo sit rain am
THU	16	1023.5	10.4	5.3	7.9	-1.2	6.6	7.6	250	04	9.2	24	NIL		Cloudy. Tempo fair am. Rain or drzl pm. Mist. Fair by evng
FRI	17	1016.5	8.9	4.9	6.9	4.1	6.7	7.6	160	17		33	0.7	7.1	Fair bec fine, dew. Fair bec fine again pm. Dew later
SAT	18	1015.9	8.3	6.4	7.4	1.7	6.7	7.0	101,000	11	15.0			1.3	Fair, dew bec cloudy, mist. Rain or drzl early pm bec fair. Fine evng
SUN	19	1001.0	10.1	6.4	8.3			200,000,000	170		13.8	32	22.7	1.2	Fine, dew bec fair to cloudy. Rain pm. Rain, drzl & mist evng. Fog late
MON	20	990.3				6.2	6.9	7.7	250	12	14.0	32	9.7	3.3	Rain, drzl & fog early. Tempo hvy rain . Fair late am, shwrs. Hail later
TUE	21	ACCORD 64 15477	10.3	7.7	9.0	4.1	7.2	7.8	180	<u>28</u> 14	18.3	45	8.5	1.8	Cloudy, rain. Tempo hvy rain mld am. Shwrs pm. Hail evng
WED	22	980.7	9.9	7.0	8.5	5.2	7.4	7.9	190		17.1	38	5.1	3.5	Cloudy, shwrs. Tempo hvy shwr mid am. Ocnl fair. Hvy shwrs evng
		995.7	9,4	6.9	8.2	4.2	7.4	7.9	290	19	18.5	39	NIL	4.1	Cloudy, shwrs early. Ocni fair. Fine later
THU	23	1025.9	8.6	3.7	6.2	3.2	7.2	7.9	330	16	12.1	32	NIL	7.9	Fine, ocnl fair mid am. Dew evng
FRI	24	1039.2	9.5	4.2	6.9	-2.9	6.7	7.9	200	06	<u>5.6</u>	14	TR	7.0	Fine, dew bec fair pm. Ocnl cloudy evng
SAT	25	1033.9	10.6	6.9	8.8	2.3	6.6	7.9	230	13	11.9	25	0.4	1.0	Fair, dew bec cloudy. Rain, drzl & fog late am. Ocnl fair pm, mist
SUN	26	1034.6	10.5	8.5	9.5	5.1	7.2	7.9	260	10	15.6	30	TR	NIL	Cloudy, mist. Ocnl slt drzl. Thick fog late am & pm. Tempo drzl
MON	27	1035.5	9.9	8.6	9.3	5.2	7.7	7.9	280	13	16.1	30	0.6	NIL	Thick fog. Ocnl fine early, dew. Thick fog. Drzl & mist evng
TUE	28	1030.6	9.8	5.1	7.5	3.2	7.8	7.9	290	18	23.6	44	1.7	5.0	Cloudy, slt rain early bec fair or fine. Shwrs pm
WED	29	1015.6	7.5	4.7	6.1	2.6	7.3	8.1	330	26	22.5	43	0.9	5.2	Cloudy, shwrs early. Hall bec fair.
THU	30	1010.8	7.1	2.0	4.6	2.6	6.8	8.0	310	14	21.5	50	3.6	2.7	Fair bec cloudy. Rain mid am, tempo hvy rain late am. Fair pm, dry air
FRI	31	1025.0	3.9	8.0	2.4	-1.3	5.8	7.9	010	. 09	11.6	36	5.6	5.7	Fair, ocnl cloudy mid am. Ocnl dry air pm. Cloudy evng
	MEAN	1017.7	8.2	4.5	6.3	1.9	7.0	8.3	W	13.6	14.7	TOTAL	89.7	89.5	
30 Y	EAR AVE.	1017.1	8.4	4.7	6.6	2.7	6.7	8.0	w	14.4	14.7	1////	89.2	57.9	
	1971-00														
EXT	REMES	NUMBER	RAIN	WET	SNOW/	HAIL	THNDER	LGHTNG	AIR	GROUND	FOG	FOG	GALE	NO	
1	ARE IN	OF DAYS	≥0.2mm	≥1.0mm	SLEET	CUNCE.			FROST	FROST	***************************************	9a.m.		SUN	
BOL	LD TYPE	WITH	20	12	5	8	0	1	3	11	7	2	1	5	TOTALS FOR YEAR TO DATE
							ROM JAI								RAINFALL 89.7 mm SUNSHINE 89.5 hrs
	EST DAY	35.8mm	DRIEST		15.4mm					ST MNTH		SUNNIE			RAIN DAYS 20 SUNLESS DAYS 5
	AY/YEAR	11th/2001			1992		AY/YEAR				1993		YEAR	1998	WET DAYS 12
WETTE	ST MNTH	210.0mm	HIGH	EST MAX	13.3°C					T MONTH	1.5°C	DULLE	ST MNTH	26.0hrs	4 A A
	YEAR	2001	D	AY/YEAR	4th/1948	D	AY/YEAR	29th/194	7	YEAR	1963		YEAR	1966	

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT FEBRUARY 2003

DAY	DATE	BAROMETER		TEM	PERATU	RE d	eg C			WIN	ID		RAIN	SUN	
		mb		AIR		GRASS	S	OIL	DIR'N	SP	EED(kno	ots)			WEATHER
		at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX	mm	hrs	4
SAT	1	1016.0	9.0	3.1	6.1	-0.8	5.5	7.7	310	18	13.6	33	1.4	5.5	Cloudy, rain & drzl. Tempo hvy rain mid am. Fair or fine late am
SUN	2	1012.4	9.6	5.7	7.7	1.0	6.2	7.5	280	18	19.2	41	6.1	4.3	Fair, ocnl cloudy. Shwrs. Hvy shwrs pm. Hail evng
MON	3	1000.6	7.9	4.2	6.1	3.5	6.4	7.5	280	19	17.1	38	1.9	0.2	Hvy shwr & hail early. Cloudy, slt rain. Shwrs evng. Fine later
TUE	4	1002.9	6.6	3.4	5.0	0.1	6.1	7.5	320	20	20.2	38	0.1	6.4	Fair or fine, tempo cloudy early, hail shwr. Dry air pm
WED	5	1014.5	6.7	1.9	4.3	0.3	5.7	7.4	340	16	10.3	29	NIL	6.7	Fair or fine. Tempo cloudy early, sleet shwr. Dry air pm
THU	6	1019.7	8.2	2.3	5.3	-4.7	5.4	7.3	200	12	8.9	20	2.5	NIL	Fine bec cloudy. Drzł late am. Rain, drzł & fog patch early pm. Cloudy
FRI	7	1022.5	10.0	7.8	8.9	5.8	6.0	7.3	230	06	7.0	14	TR	0.7	Cloudy, slt drzl early, tempo mist. Tempo fair early pm. Mist evng
SAT	8	1023.3	9.1	7.1	8.1	4.5	6.5	7.2	210	09	9.5	24	2.9	NIL	Cloudy, tempo fair early. Fog early
SUN	9	1015.3	9.1	5.7	7.4	5.1	6.8	7.3	300	16	14.9	37	TR	5.9	Cloudy, rain or drzl. Hvy rain mid am bec fair. Mainly fine pm
MON	10	1022.0	8.6	6.7	7.7	-2.8	6.6	7.3	180	<u>05</u>	7.5	20	6.8	3.0	Fine, dew bec fair. Cloudy pm. Rain evng
TUE	11	1022.0	9.0	6.3	7.7	5.4	6.6	7.4	220	08	10.1	24	0.7	NIL	Cloudy, rain or drzl bec mist & drzl. Cloudy pm, slt drzl later
WED	12	1027.8	8.1	6.4	7.3	5.6	7.0	7.4	060	08	7.6	16	0.5	0.3	Cloudy, mist & drzl. Fog patch early. Cloudy, haze evng. Drzl later
THU	13	1026.0	6.8	2.8	4.8	3.2	7.0	7.4	060	12	6.0	18	TR	0.1	Cloudy, tempo sit drzi or rain early. Haze late am
FRI	14	1027.5	3.8	1.5	2.7	-1.2	6.5	7.5	100	10	8.5	26	TR	2.5	Cloudy, slt drzl or snow grains early. Ocnl fair. Tempo slt rain pm
SAT	15	1033.2	7.0	2.2	4.6	-0.2	6.1	7.5	070	13	12.8	25	NIL	9.0	Cloudy bec fair, then fine. Dry air. Fair evng
SUN	16	1034.3	4.1	1.0	2.6	0.2	5.7	7.3	090	10	11.8	22	NIL	3.5	Fine bec cloudy. Haze late am. Fair, haze pm
MON	17	1035.3	4.0	1.2	2.6	-0.8	5.3	7.3	090	15	12.6	28	NIL	7.8	Cloudy bec fair. Fine pm, dry air
TUE	18	1025.9	3.2	<u>-0.2</u>	<u>1.5</u>	-2.9	5.0	7.1	120	12	13.7	28	NIL	9.1	Fine, ocnl dry air
WED	19	1009.1	4.5	0.1	2.3	-2.0	4.5	6.8	110	10	14.6	28	0.2	1.7	Fine, haze bec Fair. Cloudy late am, dry air. Rain evng
THU	20	1007.6	8.7	3.7	6.2	1.6	4.6	6.8	140	12	10.4	27	0.1	0.3	Cloudy, haze. Sit rain early. Mist bec haze. Sit rain evng bec fine, dew
FRI	21	1019.7	11.0	5.6	8.3	-1.0	5.2	<u>6.6</u>	140	07	7.7	23	NIL	7.9	Fien, dew bec fair then cloudy. Mist. Shallow fog, then fine, haze
SAT	22	1016.9	10.4	5.8	8.1	3.3	5.7	6.6	130	12	13.4	26	1.0	7.2	Fine, haze early. Fair pm bec cloudy by evng. Rain later
SUN	23	1022.3	10.4	7.9	9.3	4.8	6.1	6.6	200	07	6.6	18	2.0	5.0	Cloudy bec fair. Tempo mist am. Bec cloudy pm. Rain evng. Fine late
MON	24	1020.7	12.0	6.8	9.4	1.3	6.5	6.8	120	10	10.9	28	TR	6.9	Fine, dew bec fair. Ocnl mist am. Fair to cloudy pm
TUE	25	1012.5	10.8	7.4	9.1	6.3	6.8	6.8	120	09	11.4	24	0.2	0.9	Fair bec cloudy. Tempo slt rain am. Ocnl fair midday. Slt rain later
WED	26	1007.5	10.3	7.9	9.1	6.5	7.1	7.1	140	11	10.3	23	3.5	NIL	Cloudy, ocnl sit rain. Mod rain later
THU	27	1007.9	10.5	8.0	9.3	6.6	7.2	7.2	140	<u>05</u> 11	7.0	17	2.5	NIL	Cloudy, rain. Ocnl mod rain am. Mist. Fog late am. Fine late, dew
FRI	28	1015.8	10.3	7.3	8.8	4.6	<u>7.4</u>	7.4	150	11	12.6	<u>42</u>	<u>11.3</u>	0.4	Fine, dew bec cloudy, mist. Tempo hvy rain & thick fog. Fine late evng
	ě	(¥			9	d						- 30			
	MEAN	1018.6	8.2	4.6	6.4	1.9	6.1	7.2	SE	11.5	11.3	TOTAL	43.7	95.3	
30	EAR AVE.	1017.0	8.2	4.4	6.3	2.5	6.4	7.3	sw	13.4	13.3	11111	76.5	78.4	
	1971-00		C-11#1		2000		152115	3,7532			2420001			(4.00.00)	
EX	TREMES	NUMBER	RAIN	WET	SNOW/	HAIL	THNDER	LGHTNG	AIR	GROUND	FOG	FOG	GALE	NO	
1	ARE IN	OF DAYS	≥0.2mm	≥1.0mm	SLEET		2		FROST	FROST		9a.m.		SUN	
BO	LD TYPE	WITH	15	11	1	4	0 -	0	1	9	4	1	0	5	TOTALS FOR YEAR TO DATE
					REC	ORDS F		NUARY 1	947						RAINFALL 133.4 mm SUNSHINE 184.8 hrs
WET	TEST DAY	59.0mm	DRIEST	MONTH						ST MNTH	9.0°C	SUNNIES	ST MNTH	140.9hrs	RAIN DAYS 35 SUNLESS DAYS 10
	DAY/YEAR				1965			21st/'48,71		YEAR			YEAR	and the second second	WET DAYS 23
_	EST MNTH	182.8mm	HIGH							ST MNTH		DULLES	ST MNTH		Notice Service
	YEAR	1978			29th/194			12th/197		YEAR			YEAR		

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT MARCH 2003

SAT 1 1014.0 11.3 7.8 9.6 4.7 7.4 7.4 170 11 SUN 2 1014.1 10.1 5.0 7.6 3.3 7.5 7.4 300 13 MON 3 1016.2 10.3 6.1 8.2 0.5 7.5 7.6 140 13 TUE 4 1017.3 10.7 9.3 10.0 8.5 7.7 7.6 210 13 WED 5 1013.8 10.6 6.3 8.5 6.9 8.0 7.7 160 13 THU 6 1019.7 11.2 5.8 8.5 1.4 7.8 7.8 280 11 FRI 7 1015.4 9.6 5.4 7.5 1.8 7.8 7.9 170 17 SAT 8 1022.9 9.5 6.5 8.0 3.4 7.6 8.0 220 11	9.0 21 8.5 21	4.3 1.4	WEATHER
SAT 1 1014.0 11.3 7.8 9.6 4.7 7.4 7.4 170 11 SUN 2 1014.1 10.1 5.0 7.6 3.3 7.5 7.4 300 13 MON 3 1016.2 10.3 6.1 8.2 0.5 7.5 7.6 140 13 TUE 4 1017.3 10.7 9.3 10.0 8.5 7.7 7.6 210 13 WED 5 1013.8 10.6 6.3 8.5 6.9 8.0 7.7 160 13 THU 6 1019.7 11.2 5.8 8.5 1.4 7.8 7.8 280 11 FRI 7 1015.4 9.6 5.4 7.5 1.8 7.8 7.9 170 17 SAT 8 1022.9 9.5 6.5 8.0 3.4 7.6 8.0 220 11	9.0 21 8.5 21	4.3 1.4	
SUN 2 1014.1 10.1 5.0 7.6 3.3 7.5 7.4 300 13 MON 3 1016.2 10.3 6.1 8.2 0.5 7.5 7.6 140 13 TUE 4 1017.3 10.7 9.3 10.0 8.5 7.7 7.6 210 13 WED 5 1013.8 10.6 6.3 8.5 6.9 8.0 7.7 160 13 THU 6 1019.7 11.2 5.8 8.5 1.4 7.8 7.8 280 11 FRI 7 1015.4 9.6 5.4 7.5 1.8 7.8 7.9 170 17 SAT 8 1022.9 9.5 6.5 8.0 3.4 7.6 8.0 220 11	8.5 21		
SUN 2 1014.1 10.1 5.0 7.6 3.3 7.5 7.4 300 13 MON 3 1016.2 10.3 6.1 8.2 0.5 7.5 7.6 140 13 TUE 4 1017.3 10.7 9.3 10.0 8.5 7.7 7.6 210 13 WED 5 1013.8 10.6 6.3 8.5 6.9 8.0 7.7 160 13 THU 6 1019.7 11.2 5.8 8.5 1.4 7.8 7.8 280 11 FRI 7 1015.4 9.6 5.4 7.5 1.8 7.8 7.9 170 17 SAT 8 1022.9 9.5 6.5 8.0 3.4 7.6 8.0 220 11	8.5 21		1
MON 3 1016.2 10.3 6.1 8.2 0.5 7.5 7.6 140 13 TUE 4 1017.3 10.7 9.3 10.0 8.5 7.7 7.6 210 13 WED 5 1013.8 10.6 6.3 8.5 6.9 8.0 7.7 160 13 THU 6 1019.7 11.2 5.8 8.5 1.4 7.8 7.8 280 11 FRI 7 1015.4 9.6 5.4 7.5 1.8 7.8 7.9 170 <u>17</u> SAT 8 1022.9 9.5 6.5 8.0 3.4 7.6 8.0 220 11			Fine, dew bec cloudy, rain. Mist, hill fog patches. Fair. Hvy rain late
TUE 4 1017.3 10.7 9.3 10.0 8.5 7.7 7.6 210 13 WED 5 1013.8 10.6 6.3 8.5 6.9 8.0 7.7 160 13 THU 6 1019.7 11.2 5.8 8.5 1.4 7.8 7.8 280 11 FRI 7 1015.4 9.6 5.4 7.5 1.8 7.8 7.9 170 17 SAT 8 1022.9 9.5 6.5 8.0 3.4 7.6 8.0 220 11	110 00	NIL 9.3	Rain early bec fair. Fine late am. Dew evening
WED 5 1013.8 10.6 6.3 8.5 6.9 8.0 7.7 160 13 THU 6 1019.7 11.2 5.8 8.5 1.4 7.8 7.8 280 11 FRI 7 1015.4 9.6 5.4 7.5 1.8 7.8 7.9 170 <u>17</u> SAT 8 1022.9 9.5 6.5 8.0 3.4 7.6 8.0 220 11	The state of the s	9.1 NIL	Fine, dew bec cloudy. Hvy rain late am. Rain & drzl pm, ocnl thick fog
THU 6 1019.7 11.2 5.8 8.5 1.4 7.8 7.8 280 11 FRI 7 1015.4 9.6 5.4 7.5 1.8 7.8 7.9 170 17 SAT 8 1022.9 9.5 6.5 8.0 3.4 7.6 8.0 220 11		0.1 0.2	Cloudy, drzl & fog bec mist. Cloudy pm, slt drzl evng
FRI 7 1015.4 9.6 5.4 7.5 1.8 7.8 7.9 170 17 SAT 8 1022.9 9.5 6.5 8.0 3.4 7.6 8.0 220 11		3.2 NIL	Cloudy, mist & drzi. Tempo fair mid am. Rain or drzi pm. Fog patch
SAT 8 1022.9 9.5 6.5 8.0 3.4 7.6 8.0 220 11	9.0 19	NIL 10.0	Fine, dew early, Bec fair pm. Dew evng
		4.8 3.0	Fair, dew bec cloudy. Hvy rain late am. Hail midday bec fair. Shwrs
I CIINI N 1 10100 101 7/1 100 10 100 100 100		NIL NIL	Fair bec cloudy. Fair late
SUN 9 1019.8 13.1 7.4 10.3 4.6 7.6 8.0 200 08		TR 8.5	Fair, tempo cloudy early, bec fine. Cloudy by evng, drzl later
MON 10 1023.6 10.9 7.7 9.3 5.1 8.1 8.0 200 11	8.7 18	4.8 0.7	Fine, dew bec cloudy. Tempo mist
TUE 11 1016.6 9.7 7.3 8.5 7.7 8.3 8.0 290 06	7.7 20	6.8 NIL	Cloudy. Rain bec mod rain. Mist. Fog patches
WED 12 1028.6 9.1 6.6 7.9 4.1 8.3 8.1 020 11	13.6 31	TR 5.2	Cloudy, mist bec fine, dew. Mainly cloudy bec fair pm. Shwrs evng
THU 13 1035.2 <u>7.7</u> 5.5 6.6 4.6 8.0 8.2 080 <u>17</u>	18.1 31	NIL 4.1	Cloudy. Tempo fair late am bec fair or fine pm. Haze evng
FRI 14 1029.5 9.4 5.1 7.3 2.5 7.7 8.1 090 17	17.7 31	NIL 9.6	Fine, haze early. Ocnl dry air
FRI 14 1029.5 9.4 5.1 7.3 2.5 7.7 8.1 090 17 SAT 15 1032.6 9.3 5.3 7.3 2.5 7.4 8.1 090 15	16.1 27	NIL 10.4	Fine, ocnl dry air
SUN 16 1037.0 10.7 4.7 7.7 1.7 7.3 8.0 100 13		NIL 10.4	Fine, ocnl dry air. Haze evening
MON 17 1035.6 13.2 6.2 9.7 2.0 7.4 8.0 090 11	11.2 21	NIL 11.0	Fine, haze early. Ocnl dry air
TUE 18 1032.7 8.7 4.4 <u>6.6</u> 2.2 7.4 8.0 060 14		TR 8.7	Fine bec cloudy, haze. Fine by late am. Haze. Dew later
WED 19 1031.0 12.2 4.2 8.2 -1.0 7.4 8.0 070 04		NIL 10.7	Fair, haze. Dew early. Bec fine, haze. Thick fog late
THU 20 1030.8 10.7 <u>3.4</u> 7.1 <u>-1.6</u> 7.6 8.0 320 <u>03</u>		NIL 10.0	Thick fog bec fine, mist. Fair late am, haze.
FRI 21 1026.1 10.0 4.3 7.2 -1.6 7.6 8.0 060 08	8.3 22	NIL 4.4	Fair to cloudy, mist & dew early bec haze. Ocnl fine pm
SAT 22 1020.9 11.2 5.5 8.4 3.3 7.8 8.1 060 12		NIL 10.5	Fair bec fine, mist & dew early. Haze
SUN 23 1020.4 14.2 8.1 11.2 5.0 7.9 8.1 140 14	12.5 24	NIL 10.4	Fine, haze am
MON 24 1025.8 13.5 8.0 10.8 4.7 8.2 8.2 210 06		NIL 1.9	
TUE 25 1023.9 14.4 7.5 11.0 4.0 8.6 8.2 070 09	8.0 16	NIL 9.3	Fair or fine early, dew bec cloudy. Ocnl fair pm. Fair evng, mist bec haz
WED 26 1018.0 17.5 8.8 13.2 6.8 8.8 8.4 090 09	8.5 17	NIL 8.6	Fine, haze & dew. Tempo fair am
THU 27 1014.8 16.9 11.0 14.0 8.0 9.3 8.6 120 11	9.0 17		Fine, haze bec fair. Ocnl dry air
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Fair, haze bec cloudy. Dry air. Slt rain late
	1,0,000	7.3 NIL	Cloudy, rain. Ocni mod rain. Mist or haze. Fog patches late evng
	4.0 14	0.1 NIL	Rain or drzl & fog bec thick fog. Ocnl mist pm
	9.8 27	NIL 0.1	Cloudy, mist or haze. Ocnl fog am. Bec fine evng
MON 31 1025.4 10.8 5.2 8.0 4.1 9.8 9.2 070 15	10.5 25	NIL <u>11.7</u>	Fine, haze & dew early.
MEAN 1022.7 11.4 6.7 9.0 4.0 8.1 8.1 E 10.9	105 TOTAL	1 460 1710	
MEZIN 1022.7 11.4 0.7 9.0 4.0 0.1 0.1 E 10.9	9 10.5 TOTAL	L 46.3 171.2	
30 YEAR AVE. 1016.7 9.6 5.2 7.4 2.7 7.5 7.8 W 12.9	100 100	007 4004	
30 YEAR AVE. 1016.7 9.6 5.2 7.4 2.7 7.5 7.8 W 12.9	9 12.6 /////	66.7 126.1	
		+	
POUR TYPE			
	10 3	0 6	TOTALS FOR YEAR TO DATE
RECORDS FROM JANUARY 1947			RAINFALL 179.7 mm SUNSHINE 356.0 hrs
WETTEST DAY 30.0mm DRIEST MONTH 2.7mm LOWEST MIN -2.2°C WARMEST MNT		IEST MNTH 206.1hrs	
DAY/YEAR 28th/1960 YEAR 1961 DAY/YEAR 10th/11th/1958 YEA			WET DAYS 31
WETTEST MNTH 179.6mm HIGHEST MAX 19.4°C LOWEST GRASS -9.4°C COLDEST MNTH		EST MNTH 67.4hrs	o
YEAR 2001 DAY/YEAR 29th/1965 DAY/YEAR 3rd/1965 YEA	AR 1962	YEAR 1964	

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METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT APRIL 2003

DAY	DATE	BAROMETER	R TEMPERATURE deg C				WIND R				RAIN	N SUN	,		
		mb		AIR		GRASS				DIR'N SPEED(knots)					WEATHER
2		at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN		mm	hrs	
	- 01	and the second of the second												7	
TUE	1	1020.3	10.6	5.1	7.9	-0.5	9.3	9.2	240	12	15.2	36	0.9	NIL	Fine, dew bec cloudy. Ocnl rain or drzl pm. Tempo mod rain. Fair late
WED	2	1019.5	11.8	6.2	9.0	3.1	9.0	9.2	320	21	18.3	34	NIL	10.5	Fair, slt shwr early bec fine
THU	3	1028.0	10.6	5.9	8.3	3.1	8.9	9.2	010	11	8.6	21	NIL	11.3	Fine. Dew late
FRI	4	1033.3	13.4	5.9	9.7	0.9	9.0	9.3	360	05	7.3	20	NIL	11.1	Fine, dew. Tempo fair am. Dew late evng
SAT	5	1033.1	11.4	6.1	8.8	5.0	9.5	9.2	050	13	10.3	24	NIL	6.4	Fine, dew bec cloudy mid am. Fine pm. Dew later
SUN	6	1030.6	12.3	5.1	8.7	-0.1	9.3	9.3	070	06	7.6	17	NIL	5.5	Fine, dew bec fair. Mainly cloudy pm.
MON	7	1026.0	8.3	5.1	6.7	1.9	9.3	9.3	090	12	12.8	24	NIL	11.4	Cloudy bec fair than fine. Dry air
TUE	8	1023.6	9.2	4.3	6.8	-1.0	8.8	9.3	120	08	11.4	26	NIL	12.1	Fine, ocnl fair am. Dry air
WED	9	1017.0	8.1	4.2	6.2	-1.0	8.5	9.3	080	12	12.2	29	TR	9.3	Fine, dry air am. Tempo cloudy evng, slt shwr
THU	10	1012.1	6.8	2.3	<u>4.6</u>	-1.5	8.1	9.1	010	05	5.8	17	NIL	9.7	Fair, dry air bec cloudy. Fine late am. Tempo cloudy late pm
FRI	11	1009.6	9,4	2.4	5.9	<u>-6.9</u>	8.0	9.0	130	07	6.1	16	NIL	9.9	Fair, tempo cloudy am. Ocnl dry air pm
SAT	12	1010.9	12.8	5.8	9.3	-2.6	8.5	8.9	060	02	4.7	13	TR	11.2	Fair, haze bec fine. Cloudy late
SUN	13	1013.3	15.6	7.8	11.7	5.1	9.2	9.1	110	13	13.7	27	0.4	NIL	Cloudy, tempo slt rain. Dry air. Tempo mod rain evng, dry air
MON	14 15	1007.3	18.2	13.0	15.6	8.3	9.4	9.3	110	10	8.7	21	NIL	6.5	Fair to cloudy, dry air
WED		1015.9	18.8	11.2	15.0	6.4	10.0	9.3	130	07	4.9	12	NIL	5.7	Fair to cloudy, dry air. Fine late
THU	16 17	1021.1	24.3	13.9	<u>19.1</u>	8.2	10.7	9.5	070	03	6.7	17	NIL	<u>13.0</u>	Fine, dry air
G.FRI	18	1023.3	21.2	11.1	16.2	3.6	11.2	9.8	070	04	8.4	21	NIL	12.9	Fine, dry air
SAT	19	1026.2	16.0	11.0	13.5	8.9	11.4	10.0	070	12	15.8	36	NIL	12.8	Fine, dry air bec haze pm
E.SUN	20	1015.8	11.0	7.6	9.3	6.4	11.0	10.2	050	<u>26</u>	23.7	42	NIL	5.6	Fine, haze bec cloudy. Ocnl fair
E.MON	21	1004.8 1010.0	12.8	7.4	10.1	6.0	10.4	10.3	060	18	15.0	30	TR	10.1	Fair to cloudy, haze bec mainly fair. Fine evng. Cloudy later, slt shwr
TUE	22	1010.0	13.3	8.4	10.9	5.7	10.6	10.3	200	11	7.5	17	NIL	9.6	Cloudy, mist or haze bec fair or fine
WED	23	1017.3	15.4 19.0	7.4	11.4	0.2	10.7	10.3	120	03	6.3	17	NIL	12.4	Fine, dew. Tempo shallow fog. Fine bec fair. Tempo dry air
THU	24	1013.4	15.8	8.4 9.6	13.7 12.7	5.1	10.9	10.3	100	09	12.9	31	4.7	11.3	Fair, dew. Ocnl haze. Dry air late am. Cloudy late
FRI	25	1008.8	13.2	9.3	11.3	8.4 7.6	11.3 11.7	10.4	190	05	6.3	23	TR	6.2	Cloudy. Rain early, tempo hvy rain. Bec fair. Cloudy by evening
SAT	26	1005.8	13.8	7.9	10.9	2.8	11.2	10.7 10.8	150 180	08 08	8.2	21	4.8	1.6	Cloudy, ocnl fair early. Mod rain late am. Rain & drzl pm, fog patch. Fi
SUN	27	1009.6	13.6	9.9	11.8	8.2	11.2	10.8	200	09	10.0	29	3.3	8.5	Fine, dew. Ocnl fog am. Cloudy early pm, shwrs. Ocnl fine evng
MON	28	996.8	12.9	10.3	11.6	9.2	11.2	10.8	160	11	11.7	26	<u>5.3</u>	0.5	Cloudy, rain mid am. tempo mod rain. Slt rain pm, tempo mod rain lat
TUE	29	1008.8	13.9	9.3	11.6	7.1	11.2	10.8	180	10	12.9 9.6	28 23	3.0	NIL	Cloudy, ocnl rain. Tempo hvy rain early pm. Fog patch. Fine late
WED	30	1007.3	13.4	9.6	11.5	7.1	11.2	10.8	210	11	11.8	29	2.7 TR	6.3	Fine, dew early, Cloudy late am. Shwrs
		1007.0	1.0.4	3.0	11.0	7.2	11.2	10.0	210	îř	11.0	29	In.	8.2	Fair, dew bec fine. Ocnl cloudy am, slt shwrs. Fair pm, fine later
		20			8				191			90			8
	MEAN	1016.2	13.6	7.7	10.6	3.8	10.0	9.8	Е	9.7	10.5	TOTAL	25.1	239.6	
		1010.2	10.0	4.6	10.0	0.0	10.0	3.0	-	9.1	10.5	TOTAL	20.1	239.0	
30 Y	EAR AVE.	1015.3	11.2	6.2	8.7	3.5	9.3	9.1	NE	12.6	11.9	11111	51.1	183.2	
	1971-00	1010.0		0.2	0.7	0.0	3.0	3,1	1NE	12.0	11.5	um	31.1	100,2	
EX	TREMES	NUMBER	RAIN	WET	SNOW/	HAIL	THNDER	LGHTNG	AIR	GROUND	FOG	FOG	GALE	NO	
	ARE IN		2.020	≥1.0mm		THESE.	HINDLIN	Larriva		FROST	rod	9a.m.	GALE	SUN	
	LD TYPE	WITH	8	6	0	0	0	1	0	7	3	0	0	3	TOTALS FOR VEAR TO DATE
						367.4	ROM JAI		553	30	J	U	U	J	TOTALS FOR YEAR TO DATE RAINFALL 204.8 mm SUNSHINE 595.6 hrs
WET	TEST DAY	27.9mm	DRIEST	MONTH						ST MNTH	10.000	CHANNE	T MAITLI	200 464-	
	DAY/YEAR	3rd/2000	Dilleo	YEAR			AY/YEAR			YEAR		OUNIVIES			
	ST MNTH	130.4mm	HIGH							ST MNTH		DUBLES	YEAR		WET DAYS 37
(1.0 (1.0 1.0 f)	YEAR	1966			22nd/198	LOWES	AY/YEAR	5th/1000	COLDE	YEAR		DULLES	T MNTH		5 5
	, 144	1000	U.	, iii Lann	-E110/130	ene D	MILLEMO	501/1990		LEAR	1900		YEAR	1981	

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT MAY 2003 DAY DATE BAROMETER **TEMPERATURE** deg C WIND RAIN SUN **GRASS** mb AIR SOIL DIR'N SPEED(knots) WEATHER at 9a.m. MAX MIN MEAN MIN 100cm 30cm MEAN 9a.m. 9a.m. MAX mm hrs THU 1 1015.3 13.9 9.4 11.7 7.3 11.3 11.0 210 10.4 13 26 4.6 4.4 Fair to cloudy, Ocnl slt shwrs, Mod rain evng, Rain later 2 FRI 1004.0 12.2 9.1 10.7 8.3 11.6 11.0 210 19 52 2.3 20.7 3.4 Cloudy, rain. Ocnl mod rain early. Tempo fair. Gale mid pm. Fine later SAT 3 1020.9 14.7 9.4 12.1 6.6 11.1 11.0 200 11 10.5 23 NIL 8.1 Fine, dew bec fair. Ocnl cloudy. Fine later SUN 4 1010.2 19.4 9.7 14.6 5.9 11.4 11.0 26 120 10 9.8 TR 12.3 Fine, dew bec fair pm. Ocnl cloudy evng, slt shwr B.HOL 5 1012.6 7.9 11.0 13.7 10.8 7.0 12.0 270 10 8.1 22 NIL 7.4 Cloudy bec fair. Fine late evng, dew 6 TUE 1024.3 13.1 6.9 10.0 11.8 11.2 360 07 19 -1.1 8.5 NIL 13.7 Fine, dew early WED 7 1027.2 14.4 6.4 10.4 0.3 11.8 11.3 030 04 6.3 14 TR 13.1 Fine, dew early bec fair. Dew later THU 8 1021.1 12.6 5.7 9.2 -0.911.9 11.4 280 07 6.2 16 TR 1.0 Fair, dew. Shallow fog. Fog patches. Tempo drzl. Fair or fine evng LIB.D 9 1022.0 13.3 7.8 10.6 1.9 11.6 11.5 300 11 11.7 24 NIL 10.3 Fine, dew. Tempo fair to cloudy am. Fine pm. SAT 10 1021.1 14.1 8.3 11.2 4.3 11.7 11.6 170 12 8.0 21 4.6 4.8 Fine, dew bec cloudy. Mod rain & drzl late am. Bec fair pm SUN 11 1019.6 13.0 7.9 10.5 2.6 11.7 11.5 120 03 9.4 23 2.2 5.1 Cloudy. Rain, tempo hvy rain am. Fog midday bec fine pm. Fair evng MON 12 1017.5 12.1 8.9 10.5 6.9 11.5 11.5 210 17 2.5 13.3 28 3.2 Cloudy, tempo slt rain. Fine evng. Fair later, slt shwr TUE 13 1021.4 13.5 6.7 10.1 4.6 11.2 TR 11.4 270 15 16.7 33 13.4 Fair. TL & hail mid am bec fine WED 14 1025.5 13.1 7.7 10.4 3.7 11.4 11.3 310 12 12.0 23 NIL 14.0 Fine, tempo fair early, slt shwr. Fair later, dew THU 15 1024.6 13.5 6.0 9.8 -0.311.4 11.3 200 14 06 5.4 1.3 7.3 Fair, dew early. Mainly cloudy pm. Slt rain evng FRI 16 1013.3 12.0 9.0 10.5 8.4 11.9 11.4 170 10 8.3 23 5.1 0.2 Cloudy, slt rain. Ocni mod rain & drzi. Mist. Fog patch pm SAT 17 1007.8 13.7 10.7 12.2 9.1 11.7 11.5 200 09 12.7 27 1.3 2.7 Cloudy, ocnl rain. Tempo hvy rain mid am. Drzl & fog patch early pm SUN 18 1011.0 13.2 11.0 12.1 9.1 11.9 11.5 210 13 11.2 21 7.1 0.2 Cloudy, tempo rain. Hvy rain late am. Rain & mist pm. Tempo fair late MON 19 1010.6 14.0 9.9 12.0 9.0 11.9 11.5 250 13 15.6 34 3.0 9.3 Cloudy, mod rain mid am bec fair or fine. Hvy shwr evening 20 TUE 1020.1 14.1 8.3 11.2 5.8 12.1 11.7 270 19.1 35 TR 21 7.8 Fair, tempo cloudy early, mod shwr. Mainly cloudy pm WED 21 1025.7 12.8 10.5 11.7 8.5 12.1 11.6 220 10 13.8 27 0.7 NIL Cloudy. SIt rain mid am bec drzl & fog. Tempo mod rain & drzl. Thick fo THU 22 1027.0 14.1 11.0 12.6 11.0 12.1 11.8 250 15 15.9 30 1.3 2.7 Thick fog early bec mist. Tempo drzl. Ocnl fair pm FRI 23 1015.7 12.0 10.6 11.3 10.9 12.1 11.7 230 09 10.7 23 8.1 NIL Cloudy bec drzl & fog. Ocnl thick fog am. Mod rain bec slt rain SAT 24 1007.6 14.4 8.5 11.5 5.3 12.0 11.7 290 07 9.4 21 0.2 6.3 Cloudy ocnl fair. Showers evening SUN 25 1018.1 14.5 9.8 12.2 6.7 12.2 11.7 280 12.0 22 NIL 11 12.7 Cloudy bec fair. Fine pm B.HOL 26 1025.7 14.7 7.3 11.0 1.2 12.3 11.8 230 07 6.3 15 0.7 11.7 Fair, dew. Tempo shallow fog early. Cloudy late pm TUE 27 1027.4 16.1 11.2 13.7 10.1 13.0 11.9 230 08 5.0 11 TR 3.4 Cloudy, slt rain. Mist or fog patches. Bec fair pm. Mist evng, tempo fog WED 28 1024.4 10.0 18.7 14.3 5.5 13.2 12.1 070 05 7.1 17 NIL 12.3 Fair, ocnl fog. Mist bec haze. Adj fog. Fair THU 29 22.9 12.3 1017.8 17.6 9.6 13.8 12.3 100 08 7.7 15 NIL 12.8 Fine bec fair, ocnl haze. Dry air FRI 30 1014.8 25.9 20.1 12.5 14.3 9.6 14.4 070 02 11 NIL 4.5 13.5 Fine, haze bec fair. Ocnl dry air SAT 31 21.7 12.5 17.1 1014.6 15.3 270 08 11.6 12.8 7.5 18 0.9 8.7 Fair bec thick fog then mist bec haze. Mainly fair pm MEAN 1018.4 14.9 9.2 12.0 6.1 12.1 11.6 W 10.1 10.4 TOTAL 45.9 225.8 30 YEAR AVE 1015.7 14.4 8.7 11.6 12.6 NE 6.0 11.4 11.9 11.1 11111 49.6 233.8 1971-00 **EXTREMES** NUMBER RAIN WET SNOW HAIL THNDER LGHTNG AIR GROUND FOG FOG GALE NO ARE IN OF DAYS ≥0.2mm ≥1.0mm SLEET FROST FROST 9a.m. SUN **BOLD TYPE** WITH 16 12 0 1 2 1 3 10 1 2 TOTALS FOR YEAR TO DATE **RECORDS FROM JANUARY 1947** RAINFALL 250.7 mm SUNSHINE 821.4 hrs WETTEST DAY 40.4mm DRIEST MONTH 4.1mm LOWEST MIN 0.1°C WARMEST MNTH 13.9°C SUNNIEST MNTH 336.4hrs 67 RAIN DAYS SUNLESS DAYS 21 DAY/YEAR 24th/1950 YEAR 1989 DAY/YEAR 2nd/1979 1989 YEAR YEAR 1989 WET DAYS 49

WETTEST MNTH

YEAR

128.7mm

1994

25.7°C

DAY/YEAR 5th/1995

HIGHEST MAX

LOWEST GRASS

-5.6°C

DAY/YEAR 5th/1979

COLDEST MNTH

YEAR

9.9°C

1984

136.9hrs

1981

DULLEST MNTH

YEAR

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT JUNE 2003

DAY	DATE	BAROMETER		TEM	PERATU	RE d	eg C	-		WII	ID .		RAIN	SUN	
		mb	AIR			GRASS SOIL			DIR'N SP		PEED(knots)		1		WEATHER
	[at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX	mm	hrs	, , , , , , , , , , , , , , , , , , , ,
	91	39332.2	202.024	iliz	V=: 4	100 10	lanvies	2550.0					12		
SUN	1	1010.2	19.3	11.4	15.4	6.1	14.9	13.1	010	03 09	4.0 6.5	14	0.7	6.1	Fine, Ightng early bec cloudy, slt rain. Bec fair pm. Ocnl cloudy evng
MON	2	1010.5	18.2	12.6	15.4	10.2	15.1	13.3	260			15	TR	7.8	Cloudy, rain, drl & fog mid am bec mist. Fine late am. Cloudy evng
TUE	3	1008.7	17.4	13.0	15.2	10.6	15.3	13.5	140	10	7.2	20	TR	3.2	Cloudy, slt rain mid am. Ocnl fair midday. Tempo slt rain pm
WED	4	1010.1	17.9	12.2	15.1	9.9	15.2	13.7	150	07	9.3	34	TR	6.1	Cloudy, sit rain or mist late am bec fair pm
THU	5	1021.4	17.6	11.2	14.4	8.9	14.8	13.6	210	07	6.3	17	NIL	10.8	Fair or fine, ocnl cloudy am.
FRI	6	1020.2	17.7	11.8	14.8	5.3	15.1	13.7	170	10	8.4	18	0.4	0.9	Fair, dew bec cloudy. Ocnl slt rain or drzl pm
SAT	. 7	1017.7	19.7	13.6	16.7	13.4	15.0	13.8	230	07	6.5	16	1.0	6.5	Cloudy, rain & drzl mid am, mist. Fog patch. Fair pm. Cloudy evng
SUN	8	1013.1	16.6	12.8	14.7	11.1	15.4	13.9	230	14	12.5	29	NIL	9.8	Cloudy, mod rain early bec fair. Ocnl cloudy later
MON	9	1019.8	18.9	11.1	15.0	6.0	15.0	14.1	140	06	6.5	18	0.2	8.5	Fair, dew bec cloudy pm. Tempo slt rain
TUE	10	1012.5	19.9	13.9	16.9	13.0	15.4	14.1	180	80	10.7	29	TR	6.3	Cloudy, slt rain. Fair late am. Cloudy evng, fine later
WED	11	1020.8	18.9	12.9	15.9	10.8	15.3	14.1	230	09	6.3	18	NIL	9.1	Fair bec cloudy. Fair again then fine pm, dry air. Cloudy later
THU	12	1021.5	19.7	11.2	15.5	5.0	15.6	14.2	310	09	6.4	19	NIL	14.4	Fair bec fine, dew. Shallow fog patches mid am
FRI	13	1025.3	19.1	10.6	14.9	7.0	15.7	14.3	050	11	8.6	19	1.4	13.7	Fine, dew bec fair. Dry air pm. Cloudy late evng, slt rain
SAT	14	1018.8	22.6	12.7	17.7	11.7	15.7	14.5	060	04	6.9	<u>38</u>	NIL	10.1	Cloudy. T&L early, tempo hvy rain. Squall bec fair. Fine, mist late
SUN	15	1022.3	22.4	13.4	17.9	9.0	16.2	14.6	070	04	6.7	17	NIL	14.6	Fine, mist then haze. Dry air late am.
MON	16	1016.6	24.7	12.4	18.6	8.9	16.2	14.7	100	08	4.8	15	NIL	13.6	Fine. Bec haze. Ocnl fair. Lghtng late
TUE	17	1013.7	20.8	13.9	17.4	14.2	17.0	14.9	280	<u>15</u> 13	14.8	26	NIL	9.0	Cloudy, haze bec fog then mist. Fair, bec fine pm, dew late
WED	18	1023.5	17.3	12.5	14.9	9.8	16.5	15.0	230		13.5	26	0.6	4.1	Fine, dew bec fair then cloudy. Tempo slt drzl. Drzl & thick fog evng
THU	19	1027.0	16.8	14.2	15.5	14.0	16.2	15.1	240	<u>15</u>	14.0	25	0.1	NIL	Overcast, ocnl drzl & fog. Fair late
FRI .	20	1025.9	18.8	12.1	15.5	9.7	16.0	15.1	340	05	6.0	17	NIL	14.9	Fair, tempo cloudy early bec fine. Dry air pm
SAT	21	1019.0	24.2	12.1	18.2	7.8	16.4	15.2	100	11	9.1	18	7.0	13.4	Fine, dew bec fair. Dry air. Shwr late
SUN	22	1006.9	<u>25.7</u>	16.0	20.9	15.0	16.9	15.2	130	12	8,8	31	14.9	1.0	T&L, ocnl hvy rain early. Slt shwrs, more T&L. T&L evng, very hvy rain
MON	23	1012.5	18.4	13.3	15.9	12.3	16.6	15.4	270	13	13.4	27	NIL	15.0	Cloudy, Ightng bec fine mid am. Dew late evng
TUE	24	1021.3	19.8	11.5	15.7	4.7	16.3	15.4	060	03	5.8	19	NIL	<u>15.4</u>	Fine, dew & shallow fog early. Fair late
WED	25	1018.9	22.4	13.0	17.7	9.8	16.7	15.4	100	09	8.3	25	5.0	7.2	Fair, ocnl cloudy am. Shwrs early pm. Tempo fair. T&L later, hvy rain
THU	26	1016.3	17.7	14.5	16.1	12.8	16.7	15.4	270	10	8.3	17	0.5	0.1	Cloudy, Ightng, fog. Tempo thick fog bec mist. Ocnl fog early pm
FRI	27	1017.9	18.1	13.4	15.8	11.5	16.4	15.6	230	08	9.8	24	0.2	6.8	Fair, dew bec cloudy. Drzl & mist late am, fog patch. Bec fine pm
SAT	28	1018.2	18.9	9.3	14.1	3.0	16.1	15.6	180	04	6.2	18	NIL	13.8	Fine, dew bec fair
SUN	29	1006.1	25.4	14.1	19.7	11.3	16.4	15.5	130	10	10.1	25	7.5		Fair, ocnl cloudy am. Mainly cloudy pm. T&L. Hvy shwr evng. Fog late
MON	30	1004.2	18.8	13.9	16.3	13.0	16.8	15.5	180	05	6.0	16	5.2	6.6	Cloudy, rain. Tempo hvy rain. Ocnl fog am bec fair. Shwrs pm. T&L
		¥	190		2			i.			3			100	
	MEAN	10167	10.0	10.7	16.0	- 0.0	45.0	146	CVA			TOTAL		0540	
	MEAN	1016.7	19.8	12.7	16.2	9.9	15.9	14.6	sw	8.6	8.4	TOTAL	44.7	254.9	·
30 VE	EAR AVE.	1017.8	16.9	11.1	14.0	8.8	15.6	140	w	11.0	10.6	.,,,,,,,	46.0	200.0	
30 11	1971-00	1017.0	10.9	1150	14.0	0.0	15.6	14.0	VV	11.2	10.6	11111	46.2	238.2	
EYT	REMES	NUMBER	RAIN	WET	SNOW/	HAIL	THNDER	LOUTNO	AID	CDOLIND	F00	F00	CALE	NO	
	ARE IN	OF DAYS		≥1.0mm	SLEET	HAIL	INIVER	LGHING		GROUND	FOG	FOG	GALE	NO	
	D TYPE	WITH	13	21.0mm		0			FROST		- 10	9a.m.		SUN	TOTAL O FOR VEAR TO DATE
DOL	DITTE	*******	13		0 BE		5 BOM IA	9	0 0	0	10		0	1	TOTALS FOR YEAR TO DATE
WETT	RECORDS FROM JANUARY 1947 WETTEST DAY 46.8mm DRIEST MONTH 0.6mm LOWEST MIN 5.4°C WARMEST MNTH 1								16.700	CHMMIT	LITIAM TO		RAINFALL 295.4 mm SUNSHINE 1076.3 hrs RAIN DAYS 80 SUNLESS DAYS 22		
	AY/YEAR	16th/1970	DITIES	YEAR			AY/YEAR			YEAR		SOMME	YEAR		RAIN DAYS 80 SUNLESS DAYS 22 WET DAYS 56
	ST MNTH	129.7mm	HIGH							ST MNTH		DILLE			
W.C.I.I.E.	YEAR	1986	nigh	TO I MAY	26th/197		AY/YEAR					DULLE	ST MNTH		
<u> </u>	ICAN	1900	D	ATTEMM	2011/19/	Ų L	AT/TEAH	1407/198	1	YEAH	1972		YEAH	1977	

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METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT JULY 2003

DAY	DATE	BAROMETER		TEM	PERATU	RE de	eg C	,	1	WIN	ID .		RAIN	SUN				
		mb		AIR		GRASS	S	OIL	DIR'N	SP	EED(kno	ots)			WEATHER			
l	7.7	at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX	mm	hrs				
		0.00m in	V = 1															
TUE	1	<u>999.6</u>	19.2	13.7	16.5	11.6	16.8	<u>15.6</u>	280	09	11.8	26	1.4	11.8	Fair, ocnl cloudy am bec fine pm. Shwr late			
WED	2	1005.5	18.3	14.0	16.2	13.0	16.8	15.7	280	11	9.3	23	NIL	8.7	Cloudy, shwr early. Sit rain mid am. Fair late am. ocnl fine evng			
THU	3	1014.9	19.7	14.1	16.9	11.1	16.8	15.8	280	11	12.2	24	NIL	10.0	Fine, dew bec fair. Ocnl cloudy. Cloudy late evening			
FRI	4	1019.2	19.6	13.7	16.7	10.5	16.8	15.9	280	10	9.4	19	NIL	7.2	Cloudy bec fine pm. Cloudy late pm			
SAT	5	1020.9	16.5	13.8	15.2	10.8	17.0	15.9	330	06	4.8	12	NIL	0.2	Cloudy			
SUN	6	1022.5	18.4	13.4	15.9	11.3	16.6	15.9	280	03	3.9	11	NIL	3.4	Cloudy. Tempo dry air pm. Fine by evng			
MON	7	1025.3	20.0	12.1	16.1	<u>5.0</u>	16.6	16.0	220	04	5.0	15	NIL	9.2	Fine, dew. Shallow fog early bec cloudy. Fair by midday bec fine			
TUE	8	1024.6	20.6	13.8	17.2	7.3	16.9	16.0	220	07	3.9	10	NIL	7.0	Fine, dew bec fair. Mainly cloudy pm. Fine, dew late pm			
WED	9	1023.0	23.3	14.6	19.0	8.4	17.3	16.0	()()	00	<u>3.8</u>	10	NIL	11.7	Fine, dew bec fog. Ocnl thick fog bec fair or fine. Sea fog			
THU	10	1020.1	25.7	17.2	21.5	13.5	18.0	16.1	190	02	5.1	16	NIL	14.0	Fine, dew ocnl fair am. ocnl dry air pm. Fair evng. Cloudy late			
FRI	11	1023.0	18.9	14.8	16.9	12.4	18.4	16.3	310	13	9.1	18	NIL	13.6	Cloudy bec fair or fine			
SAT	12	1023.6	22.6	12.8	17.7	7.3	18.1	16.4	050	11	8.0	18	NIL	14.3	Fair, dew early. Ocnl dry air. Fine evening			
SUN	13	1018.2	26.1	17.0	21.5	13.7	18.1	16.6	130	08	9.4	19	NIL	<u>15.1</u>	Fine. Dry air			
MON	14	1011.6	<u>29.1</u>	18.8	23.9	<u>15.6</u>	18.7	16.7	100	08	10.0	24	NIL	14.6	Fine. Dry air. Fair late			
TUE	15	1008.5	23.7	17.8	20.7	15.5	19.2	16.9	210	11	6.2	22	14.2	6.1	Fair bec fine. Haze. Cloudy. T&L, rain late am. Ocnl fine. Cloudy late			
WED	16	1005.3	20.5	15.5	18.0	15.4	18.6	17.0	030	04	9.0	<u>31</u>	1.8	0.9	Cloudy. T&L, hvy rain bec fog patches. Tempo rain. Fog evng, rain			
THU	17	1016.4	19.8	14.4	17.1	13.1	18.1	17.1	230	16	14.6	<u>31</u>	1.7	6.6	Cloudy am, tempo rain & drzl bec fair pm. Rain & drzl late			
FRI	18	1020.8	22.8	15.2	19.0	14.5	18.1	17.0	190	10	7.2	16	NIL	12.5	Cloudy, drzi early bec fair or fine			
SAT	19	1017.9	23.0	16.1	19.5	12.7	18.6	17.1	150	09	7.3	16	NIL	7.8	Fine bec cloudy mid am. Mainly fair pm. Fine late, dew			
SUN	20	1015.5	19.3	15.0	17.1	11.9	18.4	17.1	180	09	6.8	17	1.4	7.2	Fine, dew early bec cloudy late am. Slt rain early pm. Fair evng			
MON	21	1015.2	20.1	15.1	17.6	11.9	18.0	17.2	180	09	9.9	24	TR	9.5	Fair bec cloudy. Rain & drzl, mist mid am bec fair. Fine pm			
TUE	22	1021.0	20.4	15.2	17.8	12.9	18.0	17.2	220	10	7.9	17	NIL	9.3	Fair or fine, slt dew early. Cloudy mid am bec fair. Cloudy late			
WED	23	1018.6	19.7	15.4	17.5	12.9	18.3	17.2	180	07	8.2	19	1.8	0.9	Cloudy, tempo fair am. Rain or dzl pm. Fog patch late evening			
THU	24	1016.7	19.5	14.6	17.1	12.0	18.1	17.2	260	13	10.6	22	7.5	7.3	Cloudy, sit drzi early. Ocni fair. Shwr late am.			
FRI	25	1006.8	19.2	15.2	17.2	12.5	17.9	<u>17.2</u>	160	<u>18</u>	12.9	28	5.5	6.5	Cloudy, rain mid am. Mist. Tempo hvy rain. Mainly fair pm			
SAT	26	1007.9	17.8	15.4	16.6	12.4	17.8	17.1	140	08	9.5	20	3.2	NIL	Cloudy. Rain or drzl from mid am. Ocnl fog around midday.			
SUN	27	1013.7	19.4	13.9	16.7	10.6	17.4	17.0	280	14	12.3	24	NIL	12.8	Cloudy bec fair or fine			
MON	28	1021.9	19.2	15.1	17.1	13.0	17.4	17.0	220	10	9.3	21	2.3	2.6	Cloudy, ocnl fair early & late am. SIt rain evng			
TUE	29	1022.4	18.4	15.8	17.1	15.1	17.6	16.9	220	13	12.1	25	8.8	1.0	Cloudy, rain early. Tempo hvy rain. Rain pm. Ocnl fog. Hvy rain evng			
WED	30	1019.1	18.3	14.7	16.5	13.6	17.5	16.9	260	17	15.7	27	TR	3.5	Cloudy, drzl early. Shwrs mid am. fair evng bec cloudy			
THU	31	1020.0	18.8	15.0	16.9	13.7	17.3	16.9	260	07	8.6	19	NIL .	7.9	Cloudy, slt rain am bec fair. Ocnl fine pm			
	MEAN	1016.8	20.6	14.9	17.8	12.1	17.7	16.6	W	9.3	8.8	TOTAL	49.6	243.2				
gent en		a margani a	14162725	12/25/05/7	g 24 ac.	W 20 1000	1260	State At		2000-0		192000	interior .	F 00-01 0				
30 Y	EAR AVE.	1018.4	19.2	13.2	16.2	11.0	17.6	16.1	W	10.7	10.3	/////	37.6	248.1				
-	1971-00																	
	FREMES					HAIL	THNDER	LGHTNG			FOG	FOG	GALE					
	ARE IN	OF DAYS	≥0.2mm		SLEET				FROST	FROST		9a.m.		SUN				
ВО	LD TYPE	WITH	11	11	0	0	2	2	0	0	5	0	0	1	TOTALS FOR YEAR TO DATE			
14/	FEAT SALT	FO 6					ROM JAI			Am 1 /2	10.15	Decrees the second			RAINFALL 345.0 mm SUNSHINE 1319.5 hrs			
	TEST DAY	59.0mm	DRIEST	F MONTH	***************************************					ST MNTH		SUNNIE			RAIN DAYS 91 SUNLESS DAYS 23			
	DAY/YEAR	6th/1969	<u> </u>	YEAR			AY/YEAR			YEAR					WET DAYS 67			
WETTE	ST MNTH		120.2mm HIGHEST MAX 31.7°C LOWEST GRASS 1.0°C COLDEST MNTH 13.8°C DULLEST MNTH 167.7hrs															
	YEAR	1960	D	AY/YEAR	1st/1952	D	AY/YEAR	7th/1996		YEAR	1954		YEAR	1972	·			

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT AUGUST 2003

DAY	DATE	BAROMETER		TEM	PERATU	RE d	eg C				RAIN	SUN						
	:	mb		AIR		GRASS	S	OIL	DIR'N	SF	PEED(kno	ots)			WEATHER			
1		at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX	mm	hrs				
			1		122	100	5015	25.0				٥			7			
FRI	1	1019.4	18.6	14.7	16.7	12.3	17.3	16.9	190	10	9.0	18	TR	2.2	Fair or fine, dew bec cloudy. Slt drzl late am. Mist evening			
SAT	2	1023.5	20.5	15.1	17.8	10.8	17.4	16.9	050	08	6.7	14	NIL	7.6	Fair, dew. Tempo thick fog mid am. Ocnl cloudy. Fine evening			
SUN	3	1022.2	23.6	14.0	18.8	10.0	17.4	16.8	050	06	6.9	14	NIL	13.5	Fine bec fair evening			
MON	4	1020.9	29.1	17.7	23.4	14.9	18.1	16.8	070	09	9.4	22	TR	8.0	Fair, ocnl fine am. Tempo haze. Ocnl cloudy. Fine late, dry air			
TUE	5	1020.2	33.7	17.4	25.6	20.0	18.7	17.0	100	13	10.7	23	TR	10.8	Fine, dry air. Ocni cloudy mid am, Ightng, slt shwr. Fog late evng,			
WED	6	1022.8	18.4	16.0	17.2	16.3	19.0	17.2	280	08	8.3	18	NIL	0.4	Fog. Ocnl thick fog am. Cloudy pm, mist. Thick fog later			
THU FRI	7 .	1023.6	23.1	16.2	19.7	14.6	18.5	17.3	360	11	7.6	17	NIL	6.5	Fine early, mist & dew. Thick fog, tempo fair. Cloudy pm bec fine, haze			
SAT	8 9	1020.3	28.0	16.7	22.4	12.7	18.5	17.5	110	06	6.9	15	NIL	13.5	Fine, mist & dew bec haze. Dry air pm			
SUN	10	1018.9 1016.3	34.3 28.3	22.0 20.5	28.2	18.0	19.2	17.4	130	06	6.7	18	NIL	13.3	Fine, haze am. Dry air late am			
MON	11	1010.3			24.4	19.2	20.1	17.6	310	04	7.0	16	NIL	12.8	Fair or fine, dry air early. Haze mid am			
TUE	12	1017.3	28.2	19.4	23.8	16.1	20.0	17.8	030	04	4.0	14	NIL	12.5	Fair, haze. Ocnl fine pm, haze			
WED	13	1021.4	26.9	18.8	22.9	14.2	20.1	18.0	350	04	3.8	10	NIL	11.9	Fine, haze & dew. Ocnl mist. Fog late			
THU	14	1023.5	24.4	15.5	20.0	11.1	20.2	18.2	010	06	5.2	20	TR	6.2	Fog, ocnl thick fog early bec mist. Fair, ocnl cloudy. Sit rain evng			
FRI	15		21.1	16.0	18.6	11.3	19.8	18.3	060	17	15.3	<u>31</u>	NIL	6.9	Fine bec cloudy. Ocnl fair. Fine evng, dry air. Cloudy later			
SAT	16	1016.9	19.7	16.9	18.3	14.5	19.2	18.3	070	18	15.0	26	16.3	1.2	Cloudy, ocnl dry air. Tempo fair am. Tempo slt rain pm. Rain late			
SUN		1016.5	21.3	15.7	18.5	14.3	18.6	18.2	080	14	14.0	27	NIL	7.5	Heavy rain early. Cloudy bec fair pm			
	17	1013.6	23.9	16.4	20.2	16.5	18.5	18.1	120	07	8.3	19	NIL	6.7	Fair bec cloudy. Ocnl fair. Fog late evening. Mist later			
MON	18	1016.4	19.8	15.5	17.7	13.5	18.8	17.9	220	80	11.1	25	NIL	5.2	Cloudy, mist. Ocni fair early. Drzi & fog patches late am. Fair pm. Cloud			
TUE	19	1023.6	20.2	12.5	16.4	6.9	18.3	18.0	280	06	5.9	13	NIL		Cloudy bec fair or fine,dew. Tempo cloudy am. Fine pm, dew later			
WED	20	1023.9	19.4	13.7	16.6	7.7	18.1	17.9	360	06	6.3	15	NIL	12.0	Fine, dew early. Tempo fair am			
THU	21	1021.3	19.5	12.6	16.1	6.6	18.1	17.9	230	80	9.0	20	TR	9.7	Fine, dew bec fair. Cloudy late am bec fair pm. Cloudy late			
FRI	22 23	1020.4	19.5	15.9	17.7	13.7	18.3	17.9	230	80	9.3	17	NIL	NIL	Cloudy, sit drzi early bec mist then fog. Ocni thick fog			
SAT		1022.8	22.1	15.3	18.7	16.8	18.2	17.7	350	03	4.5	11	NIL	9055	Cloudy, fog ocnl thick fog early. Fair or fine pm. Adjacent fog			
SUN	24	1020.7	25.1	15.0	20.1	12.9	18.6	17.8	060	08	9.0	22	NIL	Contract Contract	Fine, fog early. Dew. Ocnl adj fog. Tempo fair pm			
B.HOL TUE	25	1018.5	21.9	15.9	18.9	13.2	18.7	17.8	070	13	12.3	21	TR		Fine, dew bec fair. Fine pm, fair later			
	26	1015.8	19.8	14.3	17.1	13.7	18.5	17.9	120	06	7.4	18	TR		Fair bec cloudy. Slt rain mid am & early pm. Tempo fair evng. Fog late			
WED	27	1012.7	24.3	13.1	18.7	6.4	18.0	17.8	060	09	8.9	19	0.2		Fog, tempo thick fog bec fair. Haze			
THU	28	1006.5	22.7	17.0	19.9	14.9	18.5	17.7	2000	00	7.3	19	0.8		Fair, ocnl cloudy. Shwr am. Ocnl haze			
FRI	29	1004.5	<u>17.1</u>	12.1	14.6	13.7	18.4	17.8	040	17	10.7	28	TR		Cloudy, ocnl rain or drzl am. Mist or haze. Slt rain pm bec fine late			
SAT	30	1018.1	18.1	11.3	14.7	5.4	17.4	17.8	030	10	6.7	17	NIL		Fair or fine, dew early. Tempo cloudy am			
SUN	31	1022.9	17.9	10.8	14.3	2.3	17.2	17.7	300	05	5.0	13	TŖ	8.2	Fine, dew bec fair. Ocnl cloudy pm, slt shwr. Fine evng			
	MEAN	1010.0	00.0	45.0	400	40.00	***											
ĺ	MEAN	1018.8	22.9	15.6	19.3	12.7	18.6	17.7	NE	8.3	8.3	TOTAL	17.3	250.0				
20.70	AD AVE	1017.0	100	10.7	100	44.0	47.0	47.0	VAY	40.0		m	45.0	005.0				
30 11	EAR AVE.	1017.8	19.5	13.7	16.6	11.0	17.9	17.0	W	10.0	9.7	/////	45.8	235.0				
EVT	1971-00 REMES	NUMBER	5401		01101111													
	ARE IN	NUMBER OF DAYS	RAIN ≥0.2mm	WET	SNOW/	HAIL	THNDER	LGHING		GROUND	FOG	FOG	GALE	NO				
	D TYPE	WITH	3	21.0000					1	FROST	- 44	9a.m.		SUN	TOTAL 0 TO 0 1/2 TO 0			
BOL	DITE	VVIII	3	1	0	0	0	0	0	0	11	3	0	2	TOTALS FOR YEAR TO DATE			
WETT					RAINFALL 362.3 mm SUNSHINE 1569.5 hrs													
	AY/YEAR																	
			1000							YEAR			YEAR		WET DAYS 68			
WEITE	ST MNTH YEAR	122.0mm	HIGH	EST MAX	32.8°C 3rd/1990					ST MNTH		DULLE	ST MNTH		S			
-	TEAR	1951		AT/YEAH	ora/1990		AY/YEAR	11th/198	1	YEAR	1956		YEAR	1992				

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT SEPTEMBER 2003

DAY	DATE	BAROMETER		TEM	PERATU		eg C			WII			RAIN	SUN				
		mb		AIR		GRASS	S	OIL	DIR'N	SF	EED(kno	ots)			WEATHER			
,00	¥.	at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX	mm	hrs				
MON	1	1023.1	18.3	10.9	14.6	2.1	16.6	17.4	030	05	5.8	17	NIL	8.3	Fine, dew bec fair, ocnl cloudy: Fine evening			
TUE	2	1028.1	19.0	11.2	15.1	2.6	16.4	17.4	050	10	7.0	19	NIL	10.7	Fine bec fair. Dry air late am. Fine late evening			
WED	3	1031.0	20.5	12.2	16.4	4.5	16.5	17.2	030	06	7.1	17	NIL	12.0	Fine bec fair. Dry air late am. Fine late evening			
THU	4	1026.9	21.9	14.9	18.4	10.2	16.8	17.0	080	14	10.1	20	TR	12.0	Fine. Dry air. Fair late			
FRI	5	1018.4	20.3	14.4	17.4	13.6	17.2	17.0	170	03	7.1	17	TR	2.1	Fair bec cloudy. Slt shwrs. Tempo fair. Ocnl haze pm bec fine. Mist			
SAT	6	1017.7	19.3	14.3	16.8	10.0	17.0	17.0	290	<u>03</u> <u>18</u>	12.7	26	0.2	10.8	Cloudy, slt rain early bec fair. Fine pm. Fair late			
SUN	7	1016.3	18.9	13.1	16.0	8.2	16.9	16.9	110	04	5.0	18	0.8	2.7	Fair bec cloudy. Slt shwrs. Fair midday. Cloudy pm, ocnl slt rain			
MON	8	1004.8	16.2	14.3	15.2	11.1	16.8	16.9	110	12	10.7	30	12.1	NIL	Tempo fair early. Cloudy. Drzl from mid am. Mod rain or drzl pm.			
TUE	9	1018.1	17.7	14.3	16.0	12.1	16.4	16.8	330	14	13.6	25	2.7	3.8	Mainly cloudy. Slt rain late evng			
WED	10	1016.4	18.2	14.4	16.3	12.5	16.4	16.8	270	18	17.3	34	TR	2.2	Cloudy, rain or drzi to mid am. Ocni fair pm. Fine late evng			
THU	11	1023.9	19.5	13.7	16.6	10.3	16.3	16.7	250	08	9.5	23	0.6	0.2	Fine, dew bec cloudy. Drzl late am, tempo mod drzl. Drzl & fog patch la			
FRI	12	1030.8	18.9	14.5	16.7	11.6	16.6	16.6	050	09	7.8	16	NIL	6.6	Fine, dew bec fair. Ocnl cloudy			
SAT	13	1030.7	21.9	14.7	18.3	11.2	16.5	16.7	120	06	6.5	16	NIL	11.5	Cloudy bec fair. Fine late			
SUN	14	1030.1	22.0	15.4	18.7	11.2	16.8	16.6	130	03	6.9	14	NIL	11.8	Fine, dew early bec fair. Dry air late am. Fine pm			
MON	15	1025.9	24.1	15.2	19.7	9.2	16.8	16.7	100	04	5.3	13	NIL	11.7	Fine, slt dew early. Ocnl fair am. Dry air late am			
TUE	16	1025.1	24.3	13.9	19.1	8.4	17.0	16.7	090	04	4.8	11	NIL	11.3	Fine, dew. Mist mid am bec haze. Fair pm, ocnl dry air			
WED	17	1021.7	24.4	16.2	20.3	11.9	17.2	16.8	160	07	6.7	15	NIL	11.2	Fine, dew mid am. Dry air late am. Cloudy, mist late pm			
THU	18	1018.6	19.8	14.9	17.4	11.7	17.4	16.7	180	10	7.7	19	NIL	5.4	Cloudy, haze, bec fair to cloudy. Fine by evening. Dew later			
FRI	19	1018.0	19.9	14.5	17.2	9.0	17.1	16.8	190	06	4.9	12	NIL	4.8	ine, dew bec cloudy mid am. Fair bec fine pm. Dew later			
SAT	20	1018.6	24.7	15.1	19.9	11.5	17.0	16.8	130	09	7.1	16	NIL	9.1	Fine, dew. Ocrıl mist or haze am. Fine pm, dry air. Ocnl fair			
SUN	21	1019.7	22.6	15.4	19.0	9.9	17.3	16.8	150	04	5.2	13	NIL	6.0	Fine, dew bec thick fog. Fair late am, adj fog bec haze			
MON	22	1006.9	20.4	13.4	16.9	12.7	<u>17.5</u>	16.8	180	15	15.7	41	0.1	3.7	Fair or fine, dew bec cloudy. Slt shwrs bec drzl. Fog patch. Fine late			
TUE	23	1021.3	15.3	10.6	13.0	8.5	16.7	16.9	330	16	10.4	24	NIL	9.0	Fair or fine. Tempo cloudy am, slt shwr. Dry air			
WED	24	1032.2	16.3	<u>10.1</u>	13.2	3.0	15.9	16.9	120	08	8,8	20	NIL	11.2	Fine, dry air			
THU	25	1026.3	17.8	12.1	15.0	9.0	15.9	16.6	120	08	5.5	16	NIL	11.0	Fine, dry air. Fair late			
FRI	26	1022.1	18.3	11.5	14.9	2.4	15.7	16.4	280	07	7.4	17	NIL	9.2	Fair, ocnl cloudy am. Bec fine pm. Cloudy later			
SAT	27	1020.5	17.2	12.9	15.1	7.6	15.9	16.3	280	10	7.6	17	TR	6.6	Cloudy bec fair. Ocni cloudy early pm			
SUN	28	1016.1	16.9	11.9	14.4	8.4	15.8	16.3	300	09	9.9	19	NIL	8.5	Fair, ocnl cloudy am bec fine pm			
MON	29	1016.5	17.7	10.2	13.9	<u>1.4</u>	<u>15.5</u>	16.2	240	04	4.2	11	NIL	9.7	Fine bec cloudy evening			
TUE	30	1008.3	18.3	13.8	16.1	11.0	15.8	16.0	180	09	9.2	24	6.9	4.3	Fair, ocnl cloudy am. Bec cloudy pm, rain by evng			
	MEAN	1021.1	19.7	13.5	16.6	8.9	16.6	16.8	SE	8.7	8.3	TOTAL	23.4	227.4				
30 Y	EAR AVE. 1971-00	1017.1	17.6	12.5	15.1	9.6	16.0	16.2	W	11.5	11.1	/////	66.8	174.0				
EXT	REMES	NUMBER	RAIN	WET	SNOW/	HAIL	THNDER	LGHTNG	AIR	GROUND	FOG	FOG	GALE	NO				
3	ARE IN	OF DAYS	≥0.2mm	≥1.0mm	SLEET				FROST	FROST		9a.m.		SUN				
BO	BOLD TYPE WITH 6 3 0 0 0 0 0 4 1 0 1 TOTALS FOR YEAR		TOTALS FOR YEAR TO DATE															
							ROM JA								RAINFALL 385.7 mm SUNSHINE 1796.9 hrs			
	EST DAY	43.7mm	DRIES	T MONTH				the state of the s		EST MNTH		SUNNIE	ST MNTH	and the same of	RAIN DAYS 100 SUNLESS DAYS 26			
	DAY/YEAR 20th/1949 YEAR 1997 DAY/YEAR 28th/1974 YEAR 1949 YEAR 1959 WET DAYS 71																	
WETTE	ST MNTH	194.5mm		EST MAX						EST MNTH		DULLE						
	YEAR	1952	D	AY/YEAR	2nd/196	1 0	AY/YEAR	23rd/197	9	YEAR	1986		LEST MNTH 104.5hrs YEAR 1956					

METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT OCTOBER 2003

	DATE	BAROMETER		I CIVI	PERATU	ne de	eg C				WIND		RAIN	SUN			
		mb		AIR		GRASS		DIL	DIR'N	SF	EED(kno	ots)			WEATHER		
l _i		at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX	mm	hrs	· · · · · · · · · · · · · · · · · · ·		
WED	1	1002.0	15.9	13.9	14.9	11.2	15.8	<u>16.1</u>	070	17	12.7	27	29.8	NIL	Cloudy, rain bec mod or hvy rain. Mist pm		
THU	2	1009.3	19.4	13.8	16.6	12.9	15.7	16.0	140	06	5.6	15	1.0	7.0	Cloudy, mist. T&L, hvy rain early. Bec fair late am, fine pm. Cloudy evno		
FŖI	3	1010.3	16.3	13.8	15.1	10.8	<u>15.9</u>	15.9	360	09	9.5	. 24	TR	0.2	Cloudy, ocnl rain. Mist. Fair by evng		
SAT	4	1016.0	15.7	9.5	12.6	10.0	15.4	16.0	310	15	14.5	35	0.5	1.2	Fair bec cloudy. Slt shwrs. Fair late		
SUN	5	1021.4	12.2	8.4	10.3	5.3	14.4	15.8	350	15	13.5	29	3.4	9.3	Fair or fine. Dry air. Cloudy evng, shwr later		
MON	6	1013.9	16.2	10.1	13.1	8.0	14.1	15.7	290	19	20.1	37	1.2	2.9	Cloudy, rain or drzl. Hvy rain mid am. Shwrs. Tempo fair		
TUE	7	1013.0	16.4	12.9	14.7	10.0	14.0	15.4	270	27	21.2	<u>46</u>	0.8	2.1	Cloudy. Rain or drzl from mid am. Ocnl fair pm		
WED	8	1020.8	17.8	13.0	15.4	10.0	14.1	15.3	290	<u>27</u> 15	15.3	30	NIL	2.4	Cloudy. Rain or drzl early. Ocnl fair pm		
THU	9	1024.4	16.7	13.8	15.3	11.0	14.6	15.3	310	12	14.0	25	0.3	3.6	Fair, dew bec cloudy. Fair again. Cloudy pm. Drzl late		
FRI	10	1023.0	16.6	13.7	15.2	12.2	14.6	15.2	250	15	13.0	23	0.1	0.1	Cloudy, rain & drzl early then slt shwrs. Rain & drzl late evng		
SAT	11	1024.9	17.2	14.1	15.7	12.2	14.8	15.1	340	07	8.6	20	NIL	3.3	Cloudy, sit drzi early. Bec fair pm, ocni fine		
SUN	12	1018.7	17.9	13.4	15.7	11.5	14.7	15.1	100	16	12.4	25	TR		Fine, dew bec cloudy mid am. Ocnl fair. Slt rain evng		
MON	13	1018.0	17.3	14.2	15.8	12.6	14.8	15.2	080	07	6.8	14	5.3		Cloudy, ocnl mist am. Haze evng, slt rain later		
TUE	14	1019.8	16.3	14.4	15.4	12.9	14.9	15.1	070	11	11.0	24	TR	10/9927	Cloudy, rain & mist. Tempo hvy rain mid am. Haze. Slt rain pm		
WED	15	1023.0	15.6	11.5	13.6	9.4	14.8	15.2	080	15	15.9	29	NIL	202	Cloudy bec fair or fine		
THU	16	1025.0	14.7	10.5	12.6	8.3	13.9	15.1	090	17	18.1	34	NIL	ACTOR.	Fair, ocnl fine early. Ocnl cloudy pm		
FRI	17	1020.4	12.8	9.9	11.4	7.6	13.4	15.0	080	13	13.4	24	NIL	1000000	Fair am. Fine pm		
SAT	18	1013.8	14.1	8.4	11.3	5.1	13.0	14.8	080	13	12.9	28	TR		Fine am. Cloudy pm, dry air		
SUN	19	1007.3	12.7	10.0	11.4	7.6	12.9	14.6	070	17	18.1	35	8.0	0.7000	Cloudy, ocnl fair early. Rain late am. Cloudy pm. Slt rain evng		
MON	20	1006.5	11.9	9.4	10.7	8.5	12.6	14.4	030	17	15.6	33	TR		Cloudy, ocni lair early. Hain late am. Cloudy pm. Sit rain eving Cloudy. Fair eving, dry air. Slt shwr		
TUE	21	1013.6	12.2	5.8	9.0	0.6	12.0	14.1	300	06	5.9	22	18.9	100 01	Fair, ocnl fine am, dry air. Cloudy pm. Hvy shwrs. T&L early pm		
WED	22	1003.4	9.9	4.4	7.2	-1.5	11.5	14.0	330	08	7.0	31	15.3	2000	Fine bec cloudy, shwrs. T&L, hvy rain am. Lghtng evng, hail later		
THU	23	1011.2	11.0	6.1	8.6	1.9	11.0	13.8	060	23	20.1	42	1.1		Cloudy, shwrs. Lghtng. Hvy shwr & hail am. Fair or fine pm. Hail late		
FRI	24	1025.7	12.0	6.5	9.3	2.6	10.6	13.5	360	10	10.8	28	0.5	100000000000000000000000000000000000000	Fair or fine am. Fair, ocnl cloudy pm. Shwrs. T&L evng		
SAT	25	1026.4	11.8	5.4	8.6	-3.3	10.6	13.3	360		5.9	24	5.4	257.55	Fair or fine am. Ocnl cloudy pm. Hvy shwr late		
SUN	26	1015.2	11.3	7.0	9.1	2.9	10.6	13.0	030	03 12	9.8	24	TR	1000000	Cloudy. Hvy shwr & hail early bec fair. Fine evng. Sit shwr late		
MON	27	1021.8	11.7	6.7	9.2	-0.5	10.6	12.7	030	08	7.4	19	0.2	1000 1000 1000	Fair bec cloudy late am. Shwrs. Fine evng, dry air		
TUE	28	1017.3	10.8	3.5	7.1	-1.7	10.3	12.6	110	04	5.0	17	1.0		Fine. Slt hoar frost early. Cloudy late evng		
WED	29	997.9	13.4	7.9	10.7	-1.9	10.3	12.4	290	15	16.7	40	4.8		Cloudy, rain to mid am. Shwrs. Tempo fair. Fair evng, Ightng		
THU	30	978.5	12.2	8.0	10.1	5.1	10.3	12.4	190	12	15.0	32	8.3	12/3/201	Fine bec cloudy. Ocnl rain am. Rain pm, mist. Shwrs evng		
FRI	31	975.2	15.0	9.0	12.0	6.9	10.5	12.3	190	06	7.3	21	TR	12000	Fair. Shwr early pm. Cloudy late evng		
		2			12.3	0.0	10.0	12.0	,,,,,		,,,,		1.11	0.0	dir. Simi dany pini. Sisady tate strig		
	MEAN	1013.5	14.4	10.0	12.2	6.7	13.1	14.5	E	12.6	12.4	TOTAL	98.7	117.8			
1																	
30 Y	EAR AVE.	1015.6	14.7	10.5	12.6	7.7	13.3	14.3	W	12.6	12.5	/////	89.1	118.3			
	1971-00																
EX	TREMES	NUMBER	RAIN	WET	SNOW/	HAIL	THNDER	LGHTNG	AIR	GROUND	FOG	FOG	GALE	NO			
	ARE IN	OF DAYS	≥0.2mm	≥1.0mm	SLEET				FROST	FROST		9a.m.		SUN			
BO	LD TYPE	WITH	18	12	. 0	3	4	- 5	0	5	. 0	0	0	. 4	TOTALS FOR YEAR TO DATE		
					REC	CORDS F	ROM JAI	NUARY 1	947						RAINFALL 484.4 mm SUNSHINE 1914.7 hrs		
	TEST DAY	46.2mm	DRIEST	MONTH	3.4mm	LOW	EST MIN	3.9°C	WARMI	ST MNTH	15.2	SUNNIE	ST MNTH	176.4hrs	RAIN DAYS 118 SUNLESS DAYS 30		
	DAY/YEAR	7th/1987		YEAR	1978		AY/YEAR			YEAR					WET DAYS 83		
WETTE	ST MNTH	233.9mm	HIGH	EST MAX	23.3°C					EST MNTH		DULLES	ST MNTH				
	YEAR	1960					AY/YEAR				1974	o o	YEAR		a		

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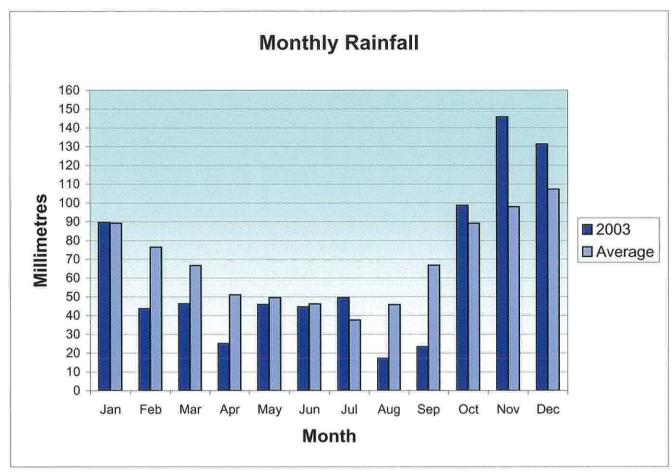
METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT NOVEMBER 2003

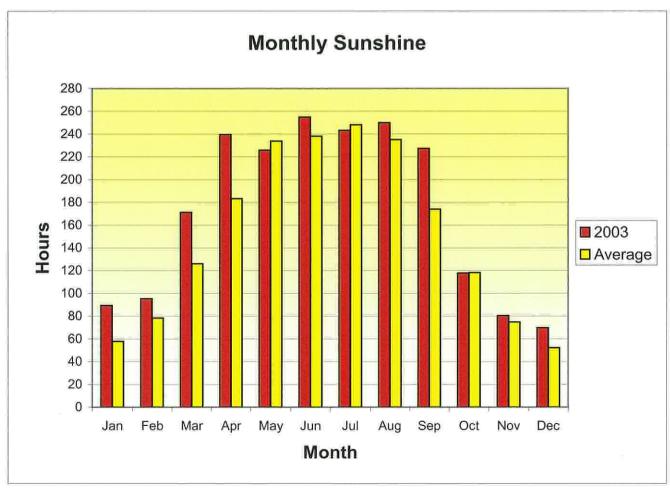
DAY	DATE	BAROMETER		TEN	PERATU	RE d	eg C			WII	WIND		RAIN	SUN	
		mb		AIR		GRASS	S	OIL	DIR'N	SF	EED(kn	ots)	1		WEATHER
	8	at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX	mm	hrs	*
SAT	1	997.9	13.1	9.2	11.2	3.0	10.9	12.1	330	12	12.5	27	5.2	7.4	Cloudy bec fair ocnl fine. Cloudy late evening
SUN	2	995.5	14.4	10.5	12.5	5.6	10.9	12.1	210	20	21.6	42	6.6	0.8	Cloudy. Rain, ocnl mod or hvy rain. Fair by evening. Shwrs later
MON	3	1007.1	14.7	10.9	12.8	8.3	11.2	12.1	250	<u>25</u>	20.2	49	TR	6.4	Fair, ocnl cloudy. Slt shwrs. Lghtng mid am. Fine evening
TUE	4	1026.2	13.8	11.5	12.7	8.1	11.3	12.2	170	09	10.0	20	0.3	2,2	Fine, dew bec fair. Cloudy late am. Slt drzl & mist pm
WED	5	1023.0	13.3	9.6	11.5	8.1	11.5	12.2	120	16	12.7	27	NiL	4.8	Cloudy, mist bec fine. Dew. Cloudy late am bec fair or fine
THU	6	1026.2	16.0	12.5	14.3	9.2	11.5	12.2	140	08	7.4	17	NIL	6.0	Cloudy bec fair. Fine late am
FRI	7	1023,2	14.5	10.0	12.3	5.6	11.7	12.2	080	21	14.7	29	NIL	8.6	Fine. Dry air pm
SAT	8	1018.1	10.8	7.3	9.1	5.3	11.1	12.3	090	16	14.4	26	TR	6.1	Fine bec fair, Cloudy evening
SUN	9	1014.4	11.9	7.7	9.8	5.8	10.6	12.2	140	10	9.4	18	TR -	NIL	Cloudy, haze. Tempo sit rain pm
MON	10	1021.5	12.0	9.4	10.7	7.8	11.0	12.1	130	06	6.8	16	NIL	0.7	Fair early bec cloudy. Fair late evng, mist & dew.
TUE	11	1019.8	13.1	9.2	11.2	6.4	11.0	12.0	150	11	10.0	23	6.2	NIL	Cloudy bec fair, mist & dew. Fog, ocnl thick fog am.
WED	12	1018.7	13.6	11.0	12.3	8.1	11.3	12.0	290	14	13.0	26	NIL	7.8	Cloudy, rain & drzl early bec fine mid am. Dew late
THU	13	1025.6	12.1	10.6	11.4	6.9	11.3	12.0	190	11	14.4	42	2.4	NIL	Fine, dew bec fair then cloudy. Slt rain late evng
FRI	14	1015.1	13.1	9.8	11.5	8.0	11.1	12.0	240	20	19.5	41	0.8	7.2	Cloudy, ocnl rain early bec fair. Shwrs
SAT	15	1015.0	12.2	8.4	10.3	- 2.0	10.8	12.0		00	4.8	19	TR	0.1	Cloudy, conflair early beclair. Silvins Cloudy, conflair or fine mid am. Tempo sit shwrs
SUN	16	1018.3	11.4	8.8	10.1	5.8	10.7	11.9	360	13	10.2	21	NIL	7.0	Cloudy, slt rain early bec fair mid am. Fin pm
MON	17	1026.1	13.1	6.7	9.9	0.0	10.3	11.9	230	13	14.5	33	1.6	NIL	Fair or fine bec cloudy mid am. Rain or drzl pm. Ocnl fog evng
TUE	18	1026.4	13.3	11.8	12.6	11.2	10.8	11.8	250	13	13.7	26	0.6	NIL	Cloudy, drzl & mist. Ocnl fog pm, tempo thick fog
WED	19	1025.4	12.8	11.5	12.2	9.8	11.2	11.7	250	09	9.3	21	1.0	NIL	
THU	20	1014.6	13.1	10.5	11.8	9.2	11.3	11.7	170	10	10.9	23	11.0	NIL	
FRI	21	1008.5	12.5	9.9	11.2	8.8	11.2	11.7	210	02		16			Cloudy, slt drzi early. Rain & drzi late. Mod rain
SAT	22	1000.2	12.9	8.5	10.7	9.4	11.3				3.7 9.7		24.3	0.1	Cloudy, rain & drzl. Tempo hvy rain. Slt rain pm bec mod or hvy evng
SUN	23	998.6	10.4	8.0	9.2			11.8	180	08		25	21.6	NIL	Rain or drzl. Ocnl mod or hvy rain. Mist. Rain pm, ocn! mod rain
MON	24	1008.4	100	5.7	7.6	7.7	11.0	11.7	020	13	14.9	34	18.2	NIL	Rain, ocnl mod or hvy rain. Mist late am. Rain & drzl pm. Cloudy evng
TUE	25	1008.4	9.4 12.3			6.9	10.6	11.8	360	13	10.4	25	0.4	1.9	Cloudy, drzl & mist. Tempo rain. Cloudy pm bec fair. Fine by evng
WED	26			5.6	9.0	-1.7	10.1	11.6	200	14	14.4	33	8.3	0.1	Fair, dew bec cloudy. Rain or drzl mid am & evng
THU	27	990.7	12.7	7.0	9.9	7.1	10.5	11.5	270	20	16.8	38	3.4	5.1	Cloudy, ocnl rain. Tempo hvy rain bec fair. Shwrs. Hvy shwr late, hail
FRI		1000.4	9.8	4.4	7.1	-1.2	9.8	11.3	320	09	6.7	26	2.6	5.5	Shwrs early then mainly fair. Hall shwr late am. Shwrs evng
	28	1011.3	11.7	5.9	8.8	<u>-1.8</u>	9.4	11.3	200	09	10.2	27	2.0	2.6	Cloudy, ocnl fair. Slt shwrs mid am
SAT	29	1003.9	12.9	9.7	11.3	7.6	9.7	11.1	160	19	13.5	32	8.7	NIL	Cloudy, rain & drzl am. Fog patches early pm. Cloudy
SUN	30	1003.9	11.2	6.9	9.1	5.5	10.1	11.1	200	10	7.9	25	20.6	0.1	Cloudy, ocnl fair early. Hvy shwr mid am. Hvy rain early pm. Fair evng
		*:			b!	le:					· ·		5	- 4	
	MEAN	1013.1	12.6	9.0	10.8	6.1	10.8	11.9	S	12.5	11.9	TOTAL	145.8	80.5	
	Avocem ODTO	orania.	x2	g.e.g.	3.7.20	3.0.0	1,51,5	1 1102	_	1.63.50	1.7.3		11.0.0	0.0.0	
30 Y	EAR AVE.	1016.2	11.4	7.7	9.5	5.0	10.1	11.7	sw	13.4	13.5	11111	97.9	74.9	
	1971-00	0.000	- N=-	80380	i exec	200	0.944	0.000			10.0	(4,6667).	0	73.0	
EX	REMES	NUMBER	RAIN	WET	SNOW/	HAIL	THNDER	LGHTNG	AIR	GROUND	FOG	FOG	GALE	NO	
	ARE IN	OF DAYS		≥1.0mm	SLEET	717112	1111110	Lanina	FROST		100	9a.m.	UNLL	SUN	
	LD TYPE	WITH	20	16	0	2	0	- 1	0	3	5	1	0	10	TOTALS FOR YEAR TO DATE
							ROM JAI	NUARY 1				1	<u> </u>	10	RAINFALL 630.2 mm SUNSHINE 1995.2 hrs
WET	EST DAY	39.4mm	DRIES	T MONTH						ST MNTH	12 0°C	SHIMME	CT MANTL	1117 7hm	
	AY/YEAR		2,1120	YEAR			952,19th/1					SOMME			The second secon
	ST MNTH		HIGH	EST MAX								DI =			
, V 1:1 E	YEAR									ST MNTH		DULLE		35.9hrs	
	TEAR	1965		MY/TEAK	1st/1999		AY/YEAR	29th/198	T	YEAR	1993	l c	YEAR	1994	4 44 44 44 44

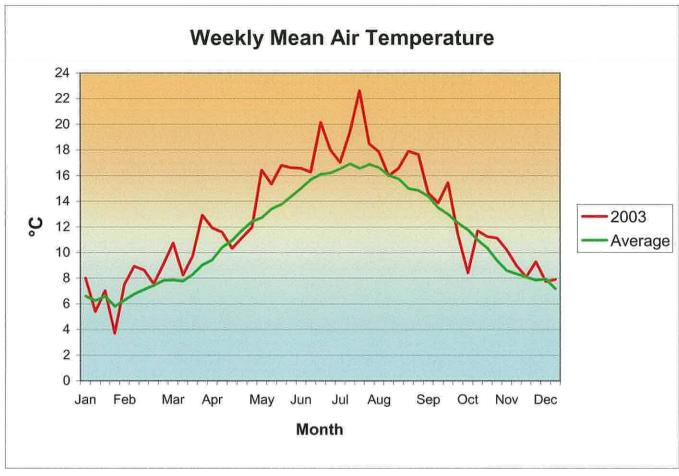
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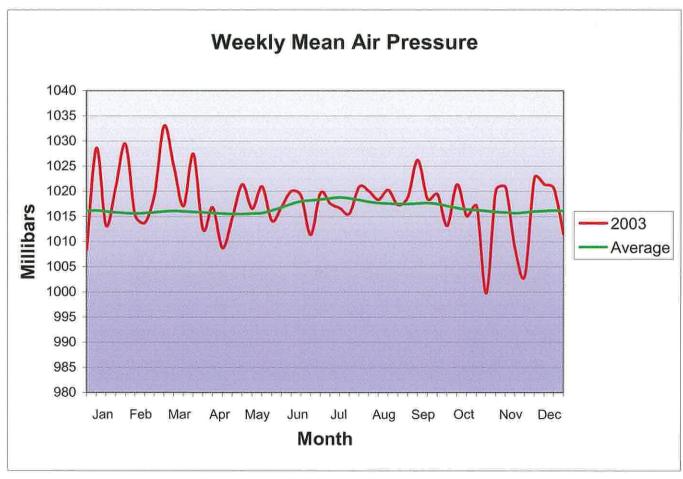
METEOROLOGICAL OBSERVATIONS GUERNSEY AIRPORT DECEMBER 2003

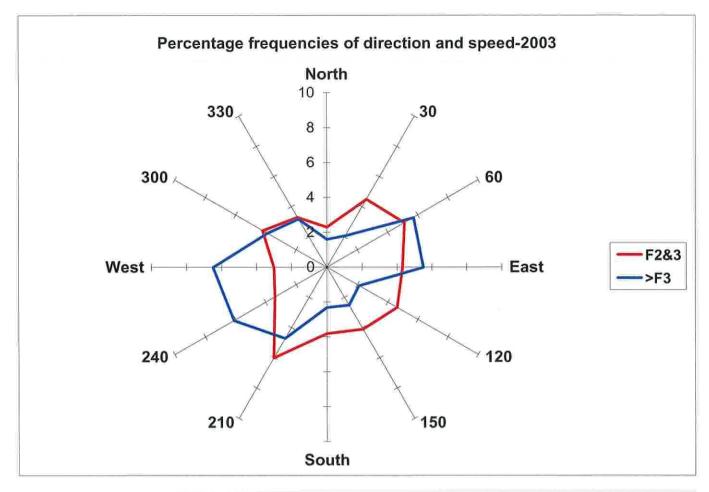
DAY	DATE																	
		mb		AIR		GRASS	SC	DIL	DIR'N	SF	EED(kno	ots)			WEATHER			
	5 4	at 9a.m.	MAX	MIN	MEAN	MIN	30cm	100cm	9a.m.	9a.m.	MEAN	MAX	mm	hrs				
1											İ							
MON	1 -	995.2	9.1	7.0	8.1	0.1	<u>9.7</u>	11.0	330	22	13.4	37	31.5	NIL	Cloudy, rain & mist. Ocnl hvy rain until early pm. Very hvy shwr late			
TUE	2	1009.6	10.4	7.2	8.8	5.2	9.6	11.0	130	12	9.1	21	0.7	4.2	Cloudy, rain early bec fair. Bec cloudy pm. Slt rain late			
WED	3	1020.1	11.2	7.5	9.4	3.9	9.5	10.8	100	06	12.1	33	TR	0.2	Cloudy, rain early bec fine, dew. Cloudy by late am. Tempo slt rain pm			
THU	4	1024.2	10.7	8.9	9.8	7.8	9.5	10.8	040	23	23.3	42	TR	NIL	Cloudy, ocnl haze. Sit rain or drzl evng			
FRI	5	1028.9	10.1	7.1	8.6	5.8	9.4	10.8	080	14	11.7	23	NIL	0.3	Cloudy, sit drzl early.			
SAT	6	1026.0	10.2	7.6	8.9	6.0	9.3	10.6	080	11	16.0	38	0.1	NIL	Cloudy, ocnl haze. Ocnl slt rain or drzl pm. Fine late			
SUN	7	1025.3	8.1	3.7	5.9	1.5	8.9	10.6	070	26	20.7	37	NIL	7.7	Fair or fine			
MON	8	1018.8	8.0	2.2	5.1	-1.3	8.0	10.4	140	2 <u>6</u> 08	10.3	21	NIL	1.2	Fine bec cloudy mid am. Ocnl fair pm			
TUE	9	1016.2	10.7	7.2	9.0	4.8	8.0	10.2	120	10	7.5	19	NIL	7.2	Cloudy bec fair or fine, dew. Fair pm, fine evng			
WED	10	1017.4	10.4	4.7	7.6	-4.5	7.9	10.1	290	01	5.2	20	1.1	6.1	Fine, dew. Tempo shallow fog early. Fair by evng bec cloudy			
THU	11	1008.2	12.4	9.4	10.9	2.1	8.0	9.8	200	19	13.5	32	3.2	NIL	Cloudy. Sit rain mid am bec mod drzi & rain. Fog late am. Sit drzi pm			
FRI	12	1020.4	12.7	10.2	11.5	8.0	8.7	9.8	190	11	11.1	32	3.2	NIL	Cloudy. Sit rain bec mod rain & drzl. Thick fog late am. Cloudy rain evng			
SAT	13	1016.1	12.8	10.6	11.7	10.8	9.5	9.7	230	21	20.7	36	3.6	NIL	Cloudy, ocnl rain or drzl. Mist. Tempo thick fog early pm. Fine late			
SUN	14	1022.4	11.0	8.5	9.8	5.4	9.6	10.0	310	21	19.8	43	TR	5.3	Fair, tempo cloudy am. Slt shwr. Fair or fine pm			
MON	15	1030.7	9.3	4.9	7.1	1.5	9.0	10.0	010	03	5.7	20	NIL	1.1	Fine bec fair. Cloudy late am. Fair evng			
TUE	16	1031.0	7.2	5.8	6.5	-1.1	8.5	9.9	150	08	10.4	24	NIL	3.9	Fair to cloudy am bec fine pm			
WED	17	1022.7	9.2	5.7	7.5	2.1	8.0	9.8	130	13	12.5	24	NIL	6.7	Fine, tempo fair			
THU	18	1016.4	9.1	5.9	7.5	2.5	7.8	9.7	140	12	10.1	20	NIL	6.1	Fine, dew early. Cloudy late evng			
FRI	19	1017.3	9.8	7.7	8.8	3.4	7.9	9.6	1,555	00	3.0	13	3.6	0.2	Cloudy, haze. Rain & drzl early pm. Tempo fair.			
SAT	20	1009.0	12.2	8.7	10.5	0.9	8.1	9.5	180	20	20.3	42	5.9	0.5	Doudy, naze, Hain & drzi early pm. Tempo rair. Doudy bec mist. Rain or drzi mid am. Mod rain. Fog patch, Tempo fair i			
SUN	21	1013.6	9.7	4.3	7.0	-0.3	8.3	9.4	290	24	22.7	42	1.6	4.6	Hvy shwrs early, hall. Mainly fair. Hvy hail shwr evng			
MON	22	1032.8	6.3	3.4	4.9	0.1	7.7	9.4	340	16	14.7	35	6.5	2.6	Fair, ocni fine am. Dry air. Bec cloudy late am. Sit rain late			
TUE	23	1028.3	10.8	5.6	8.2	0.9	7.3	9.3	300	17	14.5	29	0.8	NIL	Cloudy, slt rain. Ocnl mod rain, tempo hvy rain am			
WED	24	1031.4	10.6	9.6	10.1	7.9	8.0	9.2	270	09	10.7	21	0.4	0.1	Cloudy, Slt drzl evng			
XMAS	25	1026.6	10.4	9.4	9.9	7.9	8.3	9.1	230	14	13.9	25	0.5	NIL	Cloudy. Tempo slt drzl or rain			
B.DAY	26	1009.1	11.5	8.3	9.9	7.8	8.5	9.2	190	16	18.9	<u>45</u>	2.3	0.1	Cloudy. Sit rain early pm.			
SAT	27	1001.8	9.4	5.6	7.5	3.5	8.4	9.2	220	19	16.8	40	28.8	2.3	Fair, ocnl cloudy. Shwrs. Cloudy pm. Rain by evng bec hvy rain			
SUN	28	1001.6	7.5	4.7	6.1	3.6	8.0	9.2	320	25	22.0	42	16.7	4.2	Hvy rain early bec fair. Ocnl fine, tempo dry air. Cloudy late, hvy shwr			
MON	29	995.9	8.4	4.2	6.3	1.5	7.4	9.2	140	26	17.3	<u>45</u>	8.4	NIL	Gloudy, slt rain. Hvy rain mid am, ocnl mod rain. Rain & drzl pm bec fair			
TUE	30	1016.3	7.3	3.6	5.5	-1.2	7.3	9.0	110	03	4.1	15	NIL	0.4	Mainly cloudy. Sit rain mid am			
WED	31	1028.8	8.0	3.5	5.7	-2.7	6.9	8.9	100	05	8.8	31	12.4	4.8	Fine, slt hoar frost bec fair. Cloudy late evng			
1									4.5.5.5	35.0	(5.52)	153	V(320,04)		, , , , , , , , , , , , , , , , , , , ,			
	MEAN	1018.1	9.8	6.5	8.2	3.0	8.4	9.8	SE	14.0	13.6	TOTAL	131.3	69.8				
							1	i i										
30 Y	EAR AVE.	1016.0	9.6	6.0	7.8	3.9	8.0	9.5	SW	14.3	14.5	.11111	107.3	52.2				
	1971-00							2										
EX	TREMES	NUMBER	RAIN	WET	SNOW/	HAIL	THNDER	LGHTNG	AIR	GROUND	FOG	FOG	GALE	NO				
	ARE IN	OF DAYS	≥0.2mm	≥1.0mm	SLEET				FROST	FROST		9a.m.	/2	SUN				
ВО	LD TYPE	WITH	18	14	0	1	0 -	0	0	6	4	1	0	9	TOTALS FOR YEAR TO DATE			
					REC	ORDS F	ROM JAI	NUARY 1	947						RAINFALL 761.5 mm SUNSHINE 2065.0 hrs			
WET	ETTEST DAY 42.2mm DRIEST MONTH 28.1mm LOWEST MIN -3.8°C WARMEST MNTH 10.1°C SUNNIEST MNTH 108.9hrs RAIN DAYS 156 SUNLESS DAYS		Market Control															
, 0	DAY/YEAR					Control of the contro												
-	ST MNTH	249.6mm	HIGH							ST MNTH		DULLES	ST MNTH					
65-461	YEAR	1999			6th/1953			1964,27th/		YEAR		D. J. L. L.	YEAR					
-	1,237,000	10262-5			Leaven viscos				11555	L West of L			THE WAY	1.500				

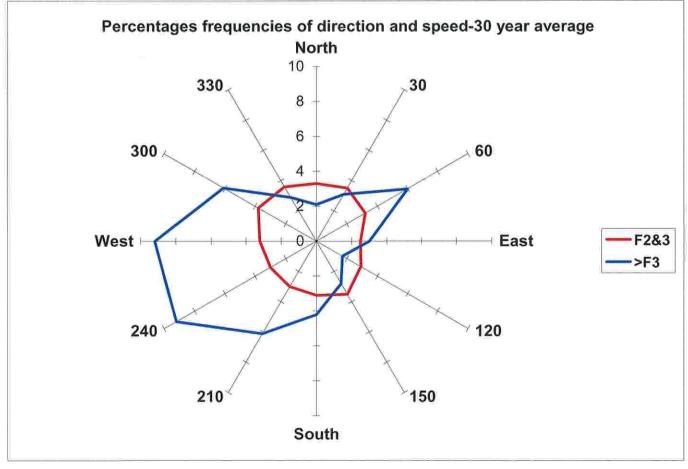


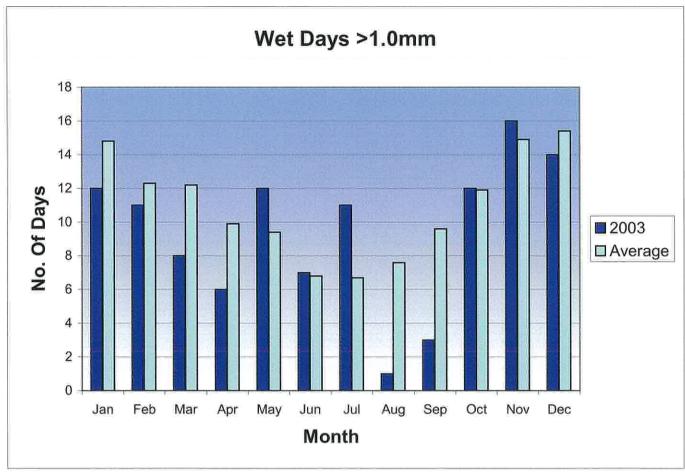


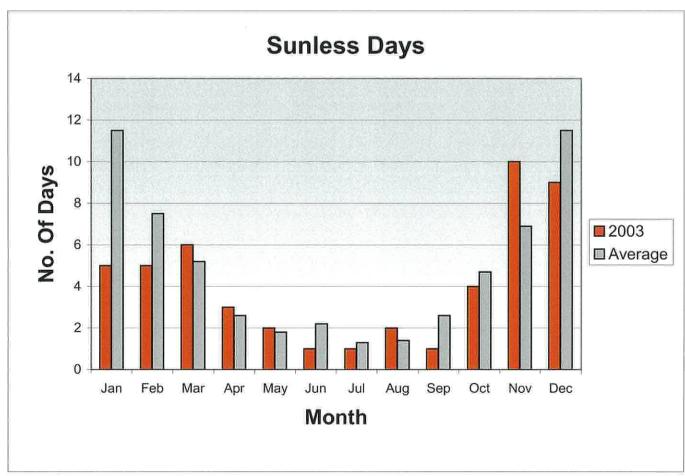


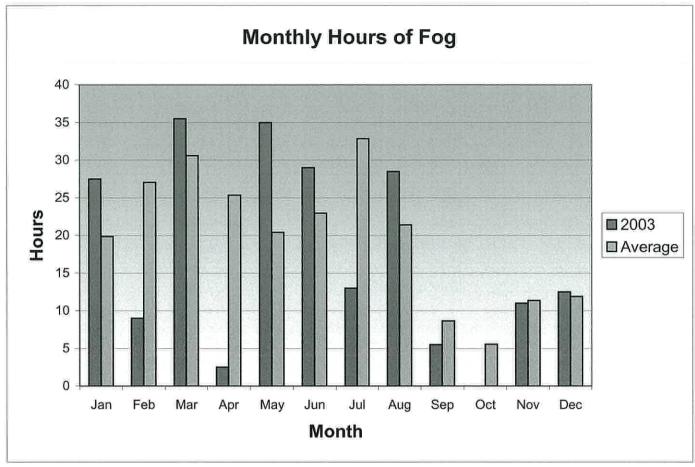


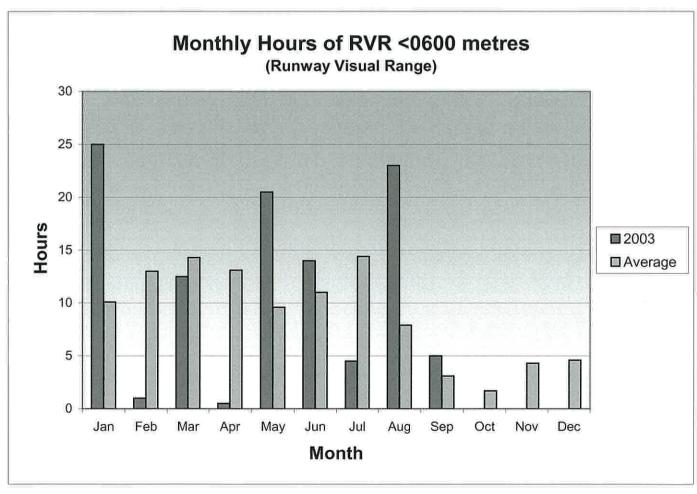


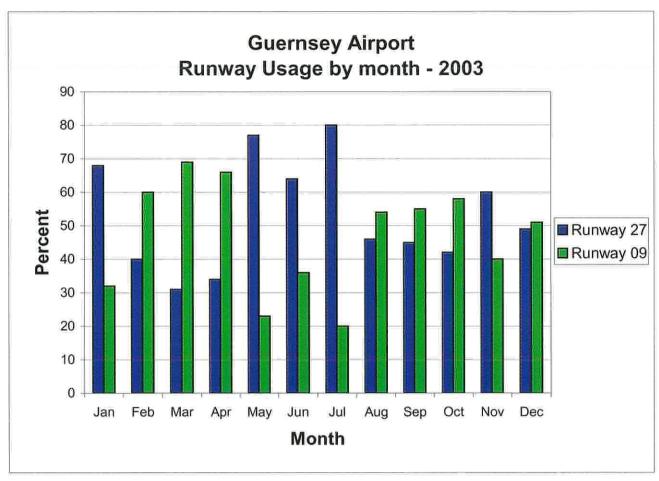


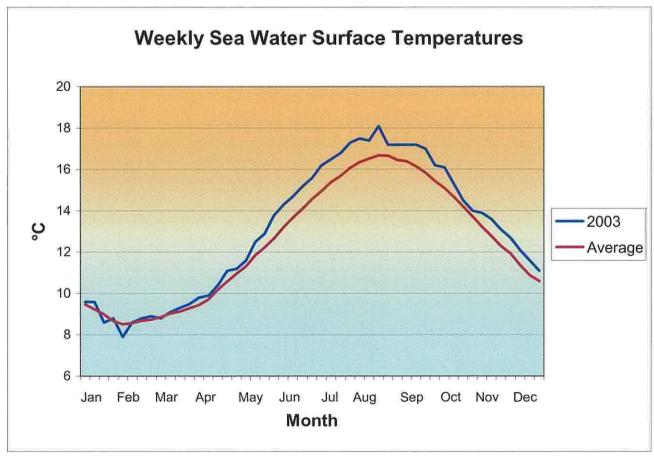








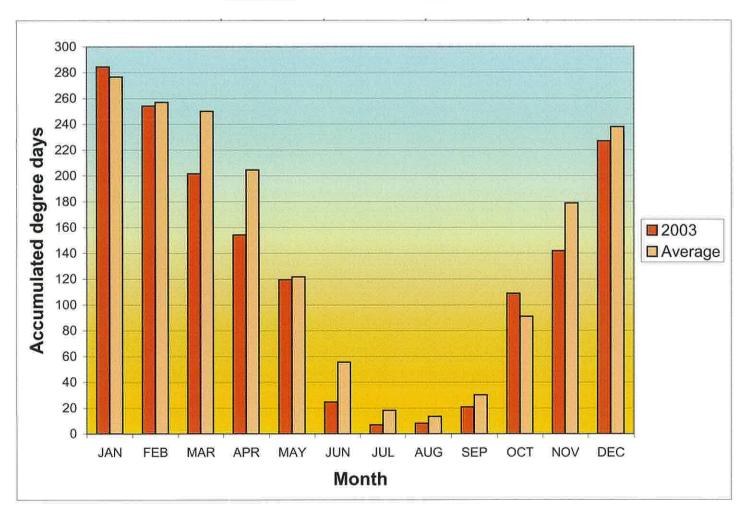




Degree Days

Monthly accumulated Degree Days below 15.5°C

	2003	1971-2000
JAN	284.6	276.7
FEB	254.2	257.0
MAR	201.7	250.1
APR	154.2	204.6
MAY	119.5	121.8
JUN	24.7	55.6
JUL	6.9	18.2
AUG	8.2	13.6
SEP	20.8	30.2
ОСТ	108.9	91.0
NOV	141.8	178.8
DEC	226.9	238.0
YEAR	1552.3	1735.5



2004 SUMMER WEEKEND TIDES - ST. PETER PORT

			g 92 31 74 V				· 22	. 747	
		High Water Time Height Time			10 9 8 9		Low W		20 2 22
		Time	Height	Time	Height	Time	Height	Time	Height
May	01 Sat	03:34	7.4	16:13	7.7	10:05	2.6	22:25	2.5
iviay	02 Sun	04:27	8.1	16:59	8.3	10:55	2.0	23:14	1.9
	08 Sat	08:50	9.0	21:08	9.0	02:51	1.0	15:10	1.5
	09 Sun	09:36	8.4	21:55		02:31			
					8.4		1.5	15:54	2.1
	15 Sat	03:48	7.8	16:17	7.9	10:17	2.3	22:40	2.4
	16 Sun	04:35	8.2	16:59	8.3	11:01	2.0	23:22	2.0
	22 Sat	08:11	8.2	20:19	8.3	02:09	2.0	14:22	2.2
	23 Sun	08:42	7.9	20:49	8.0	02:39	2.3	14:52	2.6
	29 Sat	01:24	7.1	14:18	7.2	08:12	3.1	20:38	3.2
	30 Sun	02:36	7.5	15:20	7.7	09:16	2.7	21:40	2.6
June	05 Sat	07:56	9.2	20:15	9.4	01:57	0.9	14:18	1.2
	06 Sun	08:44	9.0	21:02	9.1	02:45	1.0	15:05	1.5
	12 Sat	02:02	7.3	14:40	7.3	08:36	2.9	21:06	3.1
	13 Sun	03:04	7.4	15:34	7.5	09:33	2.8	22:00	2.9
	19 Sat	07:21	8.2	19:31	8.4	01:17	2.1	13:32	2.2
	20 Sun	07:56	8.1	20:04	8.3	01:52	2.1	14:06	2.3
	26 Sat	12:15	7.2	20.0	0.0	06:07	3.0	18:32	3.2
	27 Sun	00:36	7.5	13:21	7.3	07:13	3.0	19:43	3.1
	27 0011	00.00	7.0	10.21	7.0	07.110	0.0	10.10	0.1
July	03 Sat	06:58	9.0	19:19	9.4	00:58	1.2	13:22	1.3
	04 Sun	07:49	9.1	20:08	9.5	01:50	0.9	14:12	1.2
	10 Sat	00:01	7.5	12:35	7.2	06:34	2.9	18:56	3.4
	11 Sun	01:00	7.1	13:37	7.0	07:32	3.3	20:00	3.6
	17 Sat	06:29	8.0	18:41	8.3	00:24	2.4	12:41	2.4
	18 Sun	07:08	8.2	19:18	8.5	01:03	2.2	13:19	2.2
	24 Sat	10:46	7.7	23:02	7.9	04:42	2.5	17:00	2.8
	25 Sun	11:35	7.5	23:57	7.6	05:28	2.8	17:51	3.0
	31 Sat	05:59	8.6	18:22	9.1	12:23	1.7		
August	01 Sun	06:52	9.0	19:11	9.5	00:52	1.2	13:16	1.3
riagasi	07 Sat	10:53	7.7	23:08	7.5	04:59	2.4	17:11	2.8
	08 Sun	11:33	7.2	23:53	6.9	05:36	3.1	17:52	3.4
	14 Sat	05:32						17.52	5.4
	15 Sun		7.6	17:46	8.0	11:46	2.7	10.07	0.0
	and the second second	06:14	8.1	18:26	8.4	00:11	2.4	12:27	2.3
	21 Sat	09:38	8.4	21:51	8.5	03:39	1.9	15:54	2.1
	22 Sun	10:15	8.1	22:32	8.0	04:13	2.2	16:31	2.5
	28 Sat	05:00	8.1	17:22	8.6	11:23	2.3	23:51	1.7
	29 Sun	05:53	8.7	18:12	9.3	12:15	1.6		
September	04 Sat	09:37	8.5	21:49	8.3	03:44	1.8	15:55	2.1
	05 Sun	10:05	7.9	22:19	7.6	04:11	2.5	16:22	2.8
	11 Sat	04:29	7.1	16:43	7.5	10:42	3.4	23:10	2.9
	12 Sun	05:12	7.7	17:25	8.1	11:25	2.7	23:50	2.3
	18 Sat	08:39	9.1	20:53	9.1	02:42	1.3	14:58	1.4
	19 Sun	09:12	8.8	21:29	8.7	03:14	1.7	15:31	1.9
	25 Sat	03:57	7.5	16:18	8.1	10:19	3.0	22:48	2.3
	26 Sun	04:51	8.3	17:08	8.8	11:12	2.2	23:36	1.6
					0.5				

La Société Guernesiaise Astronomy Section

ASTRONOMICAL EVENTS IN 2004

The astronomical highlight of 2004 will be the transit of Venus across the disc of the Sun, on the 8th June - a phenomenon which no one alive has seen. And in May a bright comet will adorn our evening skies.

PLANETS

Mercury will be visible in the morning in January (maximum elongation on the 17th), May (maximum elongation on the 14th), September (maximum elongation on the 9th), and the end of December (maximum elongation on the 29th). It is visible in the evening in the last two weeks of March and the first week of April (maximum elongation on the 29th March), the last part of July (maximum elongation on the 27th) and November (maximum elongation on the 21st).

Venus will appear as the 'Evening Star' in the western sky from the beginning of the year until May. Its greatest eastern elongation will be on 29 March. It will be visible in the morning, before sunrise, in the eastern sky, from June until the end of the year (maximum western elongation on 17 August).

The transit of Venus

Venus's inferior conjunction, on 08 June, will be an exciting time for astronomers, as it will come directly between the Earth and the Sun for the first time since 1882. Its transit across the southern hemisphere of the solar disc will be well visible from Guernsey (as well as the rest of Europe, Africa and Asia), weather permitting. The duration of the transit will be about 6 hours. The angular diameter of Venus will be just under one arc-minute (about 3% of the Sun's diameter of 31 arc-minutes). Details of the transit are as follows:

05h 05m BST Sunrise.

06h 21m BST Transit starts. The Sun's altitude will then be 9 degrees. Venus will take 20 minutes to cross the limb of the Sun.

09h 23m BST Mid-transit.

12h 23m BST Transit ends. The altitude of Sun will be 61 degrees. Venus will again have taken 20 minutes to cross the limb of Sun.

This event can only be observed with great care, as looking directly at the Sun can cause severe eye damage, and optical aids such as telescopes or binoculars must <u>not</u> be used unless a specialist filter is fixed over the aperture. The disc of Venus will be large enough to be seen without optical aid, but filters must be used. The Astronomy Section has the proper filters, and a coelostat specially designed for projecting the Sun's image safely onto a screen.

Mars does not reach opposition this year, but can be seen in the evenings from the beginning of the year until May.

Jupiter will visible in the evenings from late February to July, in the constellation Leo. It is at opposition on 04 March. As in recent years there will continue to be a series of transit and occultation events involving Jupiter's moons.

PLANETS (continued)

Saturn will be well placed for evening observation from January to May, in Gemini, and will reappear in November. It does not reach opposition until January 2005.

Uranus is at opposition on 27 August, Neptune on 06 August, and Pluto on 11 June.

OCCULTATIONS

A lunar occultation of Mars on 26 March will not be visible from Guernsey, as the Moon and Mars will have set just before the event. However, a daytime occultation of Venus by the two-day old Moon on 21 May will be visible, starting at 12:02 pm BST and ending at 1:16 pm. This should be well worth watching.

CONJUNCTIONS

Date	Planets	Separation	Direc	ction and time
25 April:	Mars and	Venus	6°	West after sunset
25 May:	Mars and	Saturn	<2°	West in evening
11 July:	Mars and	Mercury	<1°	Very low in west after sunset
31 August:	Venus and	l Saturn	2°	East in morning
05 November:	Venus and	l Jupiter	0.5°	East before sunrise
05 December:	Venus and	l Mars	2°	East before sunrise
31 December:	Venus and	l Mercury	1°	Very low in SE before sunrise

On the morning of 10 November, Venus will be within 2° of the Moon when it rises at 04.26 am, and with nearby Jupiter should provide a striking sight. On the morning of 07 December Jupiter approaches within 1° of the Moon.

METEORS

The waning Moon is favourable for observation of the Perseid meteors around 11 August. Observation of the Leonids, about the 17th November, should also not be unduly hindered by the crescent Moon, and New Moon falling on the 12th December, the Geminids will also be unaffected.

COMETS AND ASTEROIDS

Comet Neat (C/2001 Q4) is predicted to make a spectacular appearance, at magnitude 1, in our western sky in the evenings of May. It will become visible on 06 May, and will remain in our skies until the end of July, by which time it will have faded beyond naked-eye reach. The best viewing of this comet is likely to be about 20/21 May.

Several other, faint comets and asteroids should be visible in telescopes, as in most years.

ECLIPSES

Two total lunar eclipses are visible from Guernsey in 2004, on the evening of 04 May and the morning of 28 October.

On 04 May the Moon will rise at 8:26 pm BST, after the eclipse has started. Totality starts at 8:52 pm, mid-eclipse is at 9:30 pm (when the Moon is at an altitude of just 8°), totality ends at 10:08 pm, and the umbral part of the eclipse ends at 11:12 pm.

The eclipse on 28 October is at a less convenient time. It starts at 2:14 am BST, totality starts at 3:23 am, mid-eclipse is at 4:04 am at an altitude of 36°, totality lasts 1 hr 21 m and ends at 4:45 am, and the eclipse ends at 5:54 am.

There is no total solar eclipse in 2004. There are two rather minor partial solar eclipses, on 19 April and 14 October, both visible only from the southern hemisphere.

EQUINOXES AND SOLSTICES

The following are the dates and times of the equinoxes and solstices in 2004.

Vernal Equinox	20 March	06:48
Summer Solstice	21 June	00:56
Autumnal Equinox	22 September	16:29
Winter Solstice	21 December	12:41

SATELLITES

The International Space Station is regularly visible from Guernsey. Details of the times and directions of visibility can be obtained from a link on the Astronomy Section's Web site, at www.astronomy.org.gg

WEA COURSE

The Astronomy Section is running a 6-week "Star Gazing" course at the Observatory from the beginning of February for the Workers Education Association.

REFERENCES

SkyMap Pro software.
Starry Night Pro software.
http://www.theman.themoon.co.uk/alignments.htm

David Le Conte
 La Société Guernesiaise Astronomy Section

Lihou Island - Causeway opening times

2004		All times BS	T	No	responsibility ca	in be accepted	for any conse	quence arising out of	of the use of ti	nese tables				
May	Open	Close	Jun	Open	Close	July	Opens	Closes	August	Opens	Closes	Comt	0	
01	10:30	11:30	01	10:30	13:20	1	11:10	13:40	1	12:30	15:40	Sерт. 1	Opens	Close
02	10:40	13:00	02	11:10	14:20	2	11:50	14:50	2	13:00	16:40	2	13:20	17:10
03	10:50	14:10	03	11:40	15:20	3	12:30	15:50	3	13:50	17:20	3	14:00	17:30
04	11:20	15:10	04	12:30	16:10	4	13:20	16:40	4	14:30	18:00	4	14:50	17:50
05	11:50	16:00	05	13:30	16:50	5	14:10	17:30	05	15:30	18:20	14121211	15:50	17:50
06	12:40	16:40	06	14:30	17:30	6	15:10	18:00	06	16:40	18:20	5		OSED
07	13:30	17:10	07	15:40	17:50	7	16:20	18:30	07	CLO	CONTRACTOR OF STREET	6		OSED
08	14:30	17:30	80	17:10	18:10	8	17:30	18:40	08	CLO		7		OSED
09	15:50	17:50	09	CLC	SED	9		OSED	09	CLO		8		OSED
10	CLOSI		10	CLO	SED	10		OSED	10	CLO		9		OSED
11	CLOSE	ED	11	CLO	SED	11		OSED	11	CLO		10		OSED
12	CLOSE		12	CLO	SED	12		OSED	12	CLO		11		DSED
13	CLOSE	D	13	CLO	SED	13		DSED	13	CLO		12		DSED
14	CLOSE		14	CLO	SED	14		OSED	14	CLOS	The second second second	13	12:00	13:50
15	10:20	12:00	15	11:20	12:30	15		DSED	15	12:30	14:10	14	12:10	14:50
16	10:40	13:00	16	11:50	13:30	16		DSED	16	12:50		15	12:40	15:40
17	11:10	13:50	17	12:20	14:10	17	12:50	14:20	17	13:10	15:10	16	13:00	16:20
18	11:50	14:30	18	13:00	14:40	Company of the last	13:20	15:10	18	13:40	15:50	17	13:30	17:00
19	12:50	15:00	19	13:30	15:20		13:50	15:50	19	14:10	16:30	18	14:20	17:20
20	13:00	15:30	20	14:10	15:50		14:20	16:20	20	15:00	17:00	19	15:20	17:30
21	13:40	15:50	21	15:00	16:10		15:10	16:50	21	Control of the last of the las	17:30	20	16:20	17:50
22	14:20	16:10	22	CLOS	SED		15:50	17:20	22	15:50 16:50	17:50	21		SED
23	CLOSE	D	23	CLOS	SED		16:40	17:40	23		18:00	22		SED
24	CLOSE	D	24	CLOS	SED	24		SED	24	CLOS		23		SED
25	CLOSE	D	25	CLOS	SED	25		SED	25	CLOS		24	CLO	The same of the sa
26	CLOSE	D	26	CLOS	SED	26		SED	26	CLOS		25	CLO	
7	CLOSE	D	27	CLOS	BED	27		SED		CLOS			11:10	13:00
8	CLOSE	D	28	CLOS	and the second	28	CLO		27	CLOS			11:20	14:10
9	CLOSE	D	29	CLOS		29	CLO		HARMAN	11:30	13:00		11:40	15:10
0	CLOSE	D	30	10:30	12:20		11:20			11:40	14:30	29	12:20	16:00
1	10:10	12:00	1245	-severation			The state of the s	13:10		12:00	15:30	30	12:50	16:30
						31	11:50	14:30	31	12:40	16:30			

DANGER: Causeway closing times can vary by up to 20 minutes due to weather conditions. Please be aware of the rapidly rising tide,

and do not attempt to cross the causeway if it is submerged at any point.

2004 Official Guernsey Ormering tides

			HIGH	WATER			LOW	VATER	
		am	height	pm	height	am	height	pm	height
									g.it
January	07 Wed	06:14	8.4	18:39	8.2	00:12	2.4	12:38	2.3
	08 Thu	06:52	8.5	19:18	8.3	00:51	2.2	13:17	2.1
8	09 Fri	07:29	8.6	19:55	8.4	01:28	2.1	13:54	2
	21 Wed	05:55	8.9	18:25	8.7	12:26	1.5		
	22 Thu	06:46	9.3	19:15	9	00:49	1.6	13:18	1.1
	23 Fri	07:33	9.5	20:00	9.2	01:38	1.3	14:06	0.9
February	06 Fri	06:40	8.6	19:07	8.5	00:38	2.1	13:06	1.8
	07 Sat	07:18	8.9	19:44	8.7	01:18	1.8	13:44	1.5
	08 Sun	07:54	9	20:18	8.8	01:55	1.5	14:20	1.3
	20 Fri	06:36	9.2	19:03	9.1	00:41	1.5	13:08	all.
	21 Sat	07:19	9.6	19:43	9.3	01:25	1.1	13:50	1
	22 Sun	07:58	9.7	20:20	9.3	02:05	0.9	14:28	0.7
				20.20	0.0	02.00	U.S	14.20	0.7
March	06 Sat	06:20	8.7	18:47	8.7	00:20	1.9	12:47	1.5
	07 Sun	06:59	9.1	19:23	9.1	01:00	1.4	13:25	1
	08 Mon	07:35	9.4	19:58	9.3	01:37	1	14:00	8.0
	20 Sat	06:17	9.2	18:41	9.1	00:23	1.5	12:46	1
	21 sun	06:56	9.5	19:18	9.4	01:03	1.1	13:24	0.7
	22 Mon	07:33	9.6	19:51	9.4	01:40	0.9	13:59	0.7
April	05 Mon	06:31	9.3	18:55	9.3	00:32	1.2	12:56	0.8
	06 Tue	07:09	9.6	19:31	9.6	01:12	0.8	13:34	0.6
	07 Wed	07:47	9.7	20:07	9.6	01:50	0.6	14:11	0.6
	19 Mon	06:28	9.2	18:47	9.2	00:33	1.3	10.50	
	20 Tue	07:03	9.2	19:19	9.2	01:09	1.3	12:53	1.1
	21 Wed	07:35	9.1	19:48	9.1	01:40		13:26	1.1
			5. .	.0.40	3.1	01.40	1.2	13:55	1.3

Times are given in GMT and heights are in metres above chart datum. High pressure will depress tide levels whereas Low pressure will raise tide levels.

Onshore winds will raise local tide levels whereas offshore winds will depress local tide levels.

Phases of the Moon 2004

	NEW MOON	FIRST QUARTER	FULL MOON	LAST QUARTER	
Jan	21	29	7	15	Jan
Feb	20	28	6	13	Feb
Mar	20	29	6	13	Mar
Apr	19	27	5	12	Apr
May	19	27	4	11	May
Jun	17	25	3	9	Jun
Jul	17	25	2 and 31	9	Jul
Aug	16	23	30	7	Aug
Sep	14	21	28	6	Sep
Oct	14	20	28	6	Oct
Nov	12	19	26	5	Nov
Dec	12	18	26	5	Dec

2004 Guernsey Lighting up times

Lighting up times based at Guernsey Airport, 49°26'N 02°36'W (calculated for sea-level) and assume range of half an hour after sunset to half an hour before sunrise Prepared by the Guernsey Airport Meteorological Office.

Times are UTC (=GMT)

04 JANUARY FEBRUAR DY OFF ON OFF ON					M	ARCH		Α	PRIL		MAY JUNE						.1	ULY		Διι	AUGUST SEPTEMBER																
	_				_	ON			F ON		OFF	ON		OFF	ON	ŧ	OF	ON		OF	- 01	t	0.55							OBEF			EMBE			EMBE	
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2	F	0736	1652	M (712	173	7 9	062	0 182	5 I	051	7 1912 5 1914	S	0416	105	0 1	1 033	203	8 G	F 033	3 205	0	S 041	2 2020	M	0457	1923	F	0540	1819	j M	0629	171	3 W	071	5 1644	4
3	S	0736	1653	T C	710	1739	9 V	061	8 182	7 5	051	5 1914 3 1915	M	0416	200		V 033	8 203	8 3	F 033	205	0 1	M 041	3 2019	T	0458	1921	S	0542	1816	i T	0631	171	7 T	071	6 1643	3
4	S	0736	1654	W C	709	1740	י כ	061	6 182	8 5	051	3 1915 L 1917	m	0413	200.	40 34 N =	033	7 2040) 5	3 034	204	9 1	r 041	2017	F	0459	1919	S	0543	1814	W	0632	1715	F	071	3 1643	3
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3	T	0736	1657	F 0	706	1744	s	061	2 183	2 1	0507	1918	m	0411	2004		033	2042	M	1 034	204	8 5	r 0418	2014	S	0502	1915	T	0546	1810	F	0636	1712	s	0720	1642	2
1	W	0735	1658	S 0	704	1745	S	061	0 183	3 W	0504	1920	127	0410	2005		033	2043	T	0342	2048	B I	0419	2013	M	0504	1912	W	0548	1808	S	0637	1710	М	0721	1642	è
1	T)	2735	1659	S 0	703	1747	М	0608	8 183	5 m	0502	1921 1923	c	0408	2007		0335	2044	W	0343	204	7 . 5	0420	2011	T	0505	1910	\mathbf{T}^{i}	0550	1806	S	0639	1709	T	0722	1641	ü
I	E. (1735	1700	M O	701	1749	T	0608	183	5 F	0500	1924	C	DANE	2010	18.0	750000			10044	204	6 6	0422	2009	W	0507	1908	F	0551	1804	M	0640	1707	W	0723	1641	L
2	S (734	1701	T 0	700	1750	W	0604	1838	3 5	0458	1924 1926	M	0403	2010	W	0335	2045	F	0345	2046	i M	0423	2007	T	0508	1906	S	0553	1802	\mathbf{T}^{v}	0642	1706	T	0724	1641	
5	3 (734	1703	W O	558	1752	T	0602	1840	s	0456	1926 1927	TT.	0403	2011	- an	0334	2046	S	0346	2045	1	0425	2006	F	0510	1904	S	0554	1800	W	0644	1704	\mathbf{F}^{*}	0725	1641	
1	4 0	733	1704	T 06	556	1754	F	0600	1841	М	0454	1920	Tax	0400	2011	-		===×	-	V-//	2043) IV	0426	2004	S	0511	1902	M	0556	1758	140	0645	1703	S	0726	1641	
T	r o	1733	1706	F 06	54	1755	S	0558	1843	T	0452	1929 1931	T)	0300	2014	3	0334	2047	M	0348	2044	T	0428	2002	S	0513	1900	T	0557	1756	F	0647	1702	S	0727	1641	
W	0	732	1707	S 06	53	1757	S	0556	1844	W	0450	1931 1932	T P	0359	2015	S	0334	2048	T	0349	2043	F	0429	2000	M	0514	1857	W	0559	1754	S	0649	1700	М	0728	1641	
T	0	731	1708	S 06	51	1759	М	0553	1846	T	0448	1932 1934	e.	0358	2017	M	0333	2048	W	0350	2042	S	0430	1959	T (0515	1855	T	0600	1752	S	0650	1659	T	0729	1641	
F	0	731	1710	M 06	49	1800	T	0551	1847	F	0446	1934 1935	e e	0356	2018	T.	0333	2049	T	0351	2041	S	0432	1957	W (0517	1853	\mathbf{F}	0602	1750	M	0652	1658	W	0730	1641	
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Great care has been taken in the preparation of these tables, however the States of Guernsey cannot accept responsibility for any consequence arising from the use of this data. Times are UTC (=GMT)