

UK Summer 2020 Final Weather Report



We last updated and sent out the following weather forecast information on the 23rd March 2020:

Unfortunately, due to personal health reasons and issues surrounding the Coronavirus/Covid-19 outbreak - we will return via the Exacta Weather website/Facebook later in the year...

However, we feel it is quite important to leave you with an update and strongly note that there are a few areas that the Covid-19 virus will impact on the weather, in the coming months and upcoming summer weather patterns.

Late Spring & Early Summer Heatwave?

The first and being the most obvious one is any better and prolonged spells of decent weather on the horizon and to help quash the virus, and there are good indications for a lengthy run of prolonged spring-like weather from the early to mid part of April as high pressure looks set to dominate proceedings.

Our forecast indications are also showing a clear run of dominant blue skies and temperatures ranging in the low teens to mid 20s for many as the more dominant feature for a number of weeks within this period (April & May), and before a potentially warmer than average MAY period, particularly, during the second half of the month and into what could be the early part of summer.

A less obvious one is the impact of the Coronavirus and the gradual grounding of most airlines and the reduction of environmental pollution across the world. This has a direct impact on our weather patterns and overall temperatures due to a 'reduction' in global dimming and our usual air traffic pollution levels, thus resulting in warmer temperatures for short and long range weather forecasting, due to this cooling mechanism being removed.

It's a difficult one scientifically as we don't get many opportunities to see grounded planes on such a mass scale, and not many studies or the opportunity to have been undertaken to date.

However, in the days after the September 11th 2001 twin tower attacks when planes were grounded, a major study was undertaken and showed a 1C rise in overall temperatures over only a few day period. Although this doesn't sound a lot, this is actually huge meteorologically speaking, as a 1C change in our climate can bring massive alterations and temperatures changes over a season to potentially record-breaking weather periods.

Warmer Than Average Summer 2020 & Lengthy Sunny Spells?

If history is anything to go on, and with the clearer skies we can expect from the grounded flights and on the basis of this being long term, then we can expect a warmer than average summer with lengthy sunny

spells on this basis and several other factors. However, clearer skies from the reduction in environmental pollution could also bring some very chilly nights at times within this period and could skew overall temperatures for the summer, particularly, in parts of the north and Scotland during July.

On one final note - some strong science regarding neutrinos and ice melt in Antarctica, and how it impacts global cloud coverage may prevent us from going full out on a cloud-free summer forecast, and periods of dominant cloud cover and extremely muggy conditions may develop for many at times, particularly, during the second half of summer and throughout August.

Please take care during these unexampled times and we will return with our final summer report in late spring/early summer.

****Update Continues Below - Final 2020 Summer Conclusion + June, July & August****



EXACTAWEATHER

Late Spring/Early Summer 2020 Subscribers & Covid-19 Update

CORONAVIRUS PANDEMIC

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Screenshot added: 2nd June 2020

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Update added: 23rd March 2020 - James Madden

Screenshot added: 2nd June 2020

Final Summer 2020 Report + June, July & August

June

Despite the warm and sunny weather for many during the starting days of the meteorological summer - this is likely to be short-lived as more of a mix and sunshine and showers is likely to gradually blend in across many parts of the country for a more unsettled period than we have experienced in the final part of spring, particularly, in parts further north. However, it will still be pleasant at times - with periods of usable weather for many too, particularly, in southern areas, where it will be fairer and warmer than parts further north throughout the month.

The more changeable period should reside somewhat from in and around the 10th June onwards, and although confidence is only medium range on any periods of major heat building during June, our best shot could see a several day period of sunny spells and warm temperatures for many, particularly, during the second half of the month. The hot days will bring the risk for some thunderstorms, hail, and flash-flooding, particularly, in the southern half of the country

The statistics for the month should bring in near to above-average temperatures and near to above-average rainfall amounts overall.

July

July should offer a better and more consistent run of warmer weather for many parts of the country and in terms of warmer temperatures overall. Despite the warmish to hot temperatures - it is also likely to be quite a wet and at times stormy month overall, particularly, in northern and western areas. It is also likely to feel quite muggy at times and in among any variable cloud cover, which could prove to be quite a dominant feature at times, particularly, during the warm spells. However, some clearer skies could also bring some very suppressed overnight temperatures in parts of the north for an actual month of summer - bringing a total contrast in potential temperature differences that could skew overall temperatures for the month.

Potential very warm to hot periods could occur for in and around 12th - 19th July, and during the early and final part of the month for a smaller number of days. A number of untimely summertime storms could also push in across our shores within the July period, and this could suppress temperatures for a small number of days on 1-2 occasions.

The statistics for the month should bring warmer than average temperatures and near to above-average rainfall amounts overall.

August

August is more often than not one of the best months of summer in terms of overall temperatures and rainfall amount, and this August looks like it could deliver a warm one at the very least on current indications. Cloud cover should become less of an issue than in the previous summer months as a whole, but some variable cloud cover could still be of hindrance at times, particularly, during the back end of August/summer. However, it should be quite a good month overall for barbecues, the school holidays, and a hopeful reprise from the Covid-19 virus/outbreak.

Unfortunately, the stormy theme that we expect to develop at numerous times throughout this summer will continue at times in August, and in despite of the warm to hot temperatures overall. Vigorous thunderstorm activity and some potentially hefty hail showers can also be expected to be triggered off on a widespread scale on either side of the warm to hot periods of weather.

The statistics for the month overall should bring warmer than average temperatures and near-average rainfall amounts overall.

Conclusion

All in all, we attain quite a high accuracy rate within our long range weather reports for the summer periods over the past several years. However, this year has proved to be especially difficult to forecast for due to the changes in environmental pollution from the Covid-19 outbreak and how this will impact cloud cover throughout the upcoming months of summer, and this is one area to watch out for this summer and something we have covered extensively, and despite the overall expectancy for it to be a warmer than average one overall.

The expected warm to hot spells of weather and heatwaves could therefore be hindered by heavy cloud cover and a variance in actual sunshine levels during development, and although we expect this to become less of an issue during August, it is by no means set in stone that it will become cloud-free.

Unfortunately, stormy weather and untimely summer storms are likely to be key features at times throughout the upcoming summer, and these will be triggered by the hot spells and bring the risk of flash-flooding and notable hail in areas.

In contrast to the extensive cloud cover - we can also expect some chilly evenings in parts of the north for a summer month during clearer skies, and this could skew overall temperature records for the summer or particular months as a whole.

Final call; A Warm & At Times Stormy Summer Overall... + Barbecue August?

Update added: 1st June 2020 - James Madden