

Update to UKCP Probabilistic Projections



Updates and improvements to Probabilistic Projections will be released this winter

We previously announced that we found some inconsistencies between the maximum, minimum and mean daily temperature data in the Probabilistic Projections. As part of the continual review and improvement of UKCP data products and services, we are currently updating the UKCP Probabilistic Projections to correct this issue. This update will also include improvements to the statistical treatment of precipitation and decadal variability. For precipitation, the update will lead to improved dry-end extremes.

We plan to release the updated data this winter alongside a technical note and guidance. As in our previous announcement, we remind you that you should not use maximum and minimum surface air temperatures from the UKCP Probabilistic Projections that were released in November 2018.

Many other UKCP Products include maximum and minimum daily temperatures. For instance, in the interim you could use the Probabilistic Projections of Climate Extremes that provide future projections of maximum daily

temperatures or data from UKCP Regional (12km) or UKCP Local (2.2km). Should you have further queries please [contact the UKCP team](#) for further advice.

The inconsistencies mentioned above were found in response to user feedback. Following an extensive investigation, we found a software indexing error in one of our climate model datasets that offsets the seasonal cycle of maximum and minimum temperature data by one month. This problem does not affect daily-average temperature, or other variables in the UKCP Probabilistic Projections. It also does not affect any other UKCP product.

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You're receiving this email as you're subscribed to the UKCP Newsletter. Over the next few months we will be sharing more information on the Defra-funded UKCP Climate Service and how you can get involved.

Over the next few years, this service will carry out activities with users of climate information to maximise the utility of the UK Climate Projections.

If you don't wish to be notified of these developments, then please [unsubscribe here](#).

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Issued on behalf of Defra, BEIS and Environment Agency by the Met Office



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