



## What can be done with hourly data? An update on HadISD.

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HadISD contains over 6000 stations covering the 1973-2012 period, and is updated annually. Near-surface temperature, dewpoint and sea-level pressure data, along with cloud cover, wind speed and direction are quality controlled using an automated suite of tests. The meteorological variables in this dataset are key to characterising extreme events with strong human impacts, such as storms and heat waves.

We will describe the ongoing developments of this product which are extending its scope and coverage and highlight a number of scientific applications, ranging from individual extreme events to animal welfare. We will also outline our plans for homogenising this sub-daily data, and our communication strategy with users.