

## **Some references on climate data homogenisation (and the factors which make it necessary)**

### Review papers

Parker, DE. Urban heat island effects on estimates of observed climate change. *WIREs Climate Change*, 2010; 1: 123-133, doi: 10.1002/wcc.021.

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Reeves J, Chen J, Wang XL, Lund R, Lu Q. A review and comparison of changepoint detection techniques for climate data. *J. Appl. Met. Climatol.* 2007; 46: 900-915, doi: 10.1175/JAM2493.1.

Trewin, BC. Exposure, instrumentation, and observing practice effects on land temperature measurements. *WIREs Climate Change*, 2010; 1: 490-506, doi: 10.1002/wcc.46.

### National-level data sets

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Menne MJ, Williams CN, Vose RS. The U.S. Historical Climatology Network monthly temperature data, version 2. *Bull. Amer. Met. Soc.* 2009; 90: 993-1007, doi:10.1175/2008BAMS26131.

Vincent LA, Zhang X, Bonsal BR, Hogg WD. Homogenization of daily temperatures over Canada. *J. Clim.* 2002; 15: 1322-1334, doi: 10.1043/1520-0442(2002)015(1322:HODTOC)2.0.CO;2.

### Statistical techniques

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Trewin BC, Trevitt ACF. The development of composite temperature records. *Int. J. Climatol.* 1996; 16: 1227-1242.

Wang XL, Wen QH, Wu Y. Penalized maximal t test for detecting undocumented mean change in climate data series. *J. Appl. Met.* 2007; 46: 916-931, doi: 10.1175/JAM2504.1.

Wang XL. Penalized maximal F-test for detecting undocumented mean-shifts without trend-change. *J. Atmos. Oceanic Tech.* 2008; 25: 368-384, doi: 10.1175/2007JTECHA982.1.

Wang XL. Accounting for autocorrelation in detecting mean-shifts in climate data series using the penalized maximal t or F test. *J. Appl. Meteor. Climatol.* 2008; 47: 2423-2444, doi: 10.1175/2008JAMC1741.1.