

Dear Sir Muir Russell

I understand that the review is investigating whether CRU staff manipulated or suppressed data in a way that conflicted with acceptable scientific practice, or which calls into question the outcomes of their research. As a professional climate scientist, and a partner with CRU staff in research collaborations, I would like to offer some evidence on this point.

I am the lead author on the most recent scientific paper on the HadCRUT dataset: "Uncertainty estimates in regional and global observed temperature changes: A new data set from 1850", published in the Journal of Geophysical Research in 2006. Professor Phil Jones is a co-author on that paper and I worked closely with him on the analysis of the surface temperature record. Professor Jones provided me and my colleagues at the Hadley Centre with the weather station records he had collected. He placed no constraints on the investigations and analyses we could make with that data, answered questions freely, and supported and encouraged our work to quantify the limitations and uncertainties in the observational record. Neither in the behaviour of Professor Jones, nor in the data he provided, did I find any indication of unscientific manipulation of the data or analyses. In particular we compared the land surface data, provided by Professor Jones, with the sea-surface data, which is produced without any input by him or any CRU staff: and these comparisons showed no indications of problems.

As part of a two-year project 'Simulations Observations and Palaeoclimate', I worked with Professor Keith Briffa on climate reconstructions of the last 500 years. Professor Briffa was open in sharing with me the tree-ring climate proxy data he had collected and his methods for standardising and interpreting the proxy data to make climate reconstructions. Neither in the behaviour of Professor Briffa, nor in the data and methods he provided did I find any indication of unscientific manipulation of the data or analyses.

Apart from these periods of close collaboration, I have worked in the same general area as CRU for several years; in particular I read many of the research papers they produce with close attention. They are a first-class research organisation and I have complete faith in the integrity of their work.

I am an employee of the Met Office Hadley Centre, but this is a personal submission and is not endorsed by the Met Office.

Sincerely,

Philip Brohan