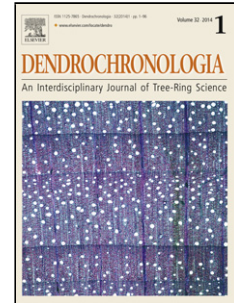


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Authors: K.J. Allen, R. Villalba, A. Lavergne, J.G. Palmer, E.C. Cook, P. Fenwick, D.M. Drew, C.S.M. Turney, P.J. Baker



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## **A comparison of some simple methods used to detect unstable temperature responses in tree-ring chronologies**

**Running head: Comparison methods detect unstable temperature response tree-ring**

Allen KJ<sup>1,8</sup>, Villalba R<sup>2</sup>, Lavergne A<sup>3</sup>, Palmer JG<sup>4</sup>, Cook EC<sup>5</sup>, Fenwick P<sup>6</sup>, Drew DM<sup>7</sup>, Turney, CSM<sup>4</sup>, Baker PJ<sup>1</sup>

<sup>1</sup> School of Ecosystem and Forest Sciences, University of Melbourne, 500 Yarra Boulevard, Richmond, Victoria, Australia 3121

<sup>2</sup> Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales, CONICET, CCT-Mendoza, Casilla de Correo 330, 5500 Mendoza, Argentina

<sup>3</sup> Department of Life Sciences, Imperial College London, Silwood Park Campus, Buckhurst Road, Ascot SL5 7PY, UK

<sup>4</sup> Climate Change Research Centre, School of Biological, Earth and Environmental Sciences, University of New South Wales, Sydney, Australia

<sup>5</sup> Lamont-Doherty Earth Observatory, Palisades New York, USA 10964

<sup>6</sup> Gondwana Tree-Ring Laboratory, Little River, Canterbury, New Zealand

<sup>7</sup> Department of Forest and Wood Science, Stellenbosch University, 7602 Matieland, South Africa

<sup>8</sup> Corresponding author, [Kathryn.Allen@unimelb.edu.au](mailto:Kathryn.Allen@unimelb.edu.au)

Ph: +61 3 6237 5625

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