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MINERVA Australis performance and analysis

MINIature Exoplanet Radial Velocity Array (MINERVA) - Australis is a new telescope array and spectrograph at Mt Kent observatory in Australia. It is run by a consortium of US, Australian and Chinese universities and has been operational since 2018 Nov 10. It is made up of five 0.7m CDK 700 telescopes from Planewave (three currently installed and operating) and a high-resolution ($R > 80000$) spectrograph from KiwiSpec covering 480 - 630nm.

The spectrograph is fed with fibres from each telescope, is thermally stabilised, and is calibrated using a simultaneous Thorium-Argon arc-lamp. I will present details of our instrumental setup, thermal stability, instrumental drift and resulting RV performance.

Author: WRIGHT, Duncan (University of Southern Queensland)

Presenter: WRIGHT, Duncan (University of Southern Queensland)

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