

Reviewer comments on the revised submission of Parkes et al. "Response of water vapour D-excess to land-atmosphere interaction in a semi-arid environment"

Overall, the manuscript discussion is greatly improved and sets the conclusions from this work in better context with prior work.

The only concern I have at this point is the lack of calibration details. This information should be included in supplemental so that readers can determine what confidence to place in these results. Over what range of water mixing ratios was the cross-sensitivity (water mixing ratio dependence) characterized? Was the response linear or non-linear? What isotopic compositions of dD and d18O were used for the calibration? When measurement precision is reported, what water level does that correspond to? Some of these details are given for the field Picarro calibration, but not the LGR.

Additional methods details missing are the air flow rates through the analyzers.

line 241: citation is needed showing similar results for Keeling plot and mass balance methods.

line 520: D-excess variability was 'correlated with' ... (correlation does not prove causation)