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Interactive comment on "Application of a laser-based spectrometer for continuous insitu measurements of stable isotopes of soil CO₂ in calcareous and acidic soils" by Jobin Joseph et al.

Jobin Joseph et al.

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General comment # Remarks to the Author While the introduction section discussing soil CO2 measurement techniques does include some discussion of chamber and tower sampling, it should also include references that made use of soil gas wells to sample CO2 for d13C and d18O values, as that is more similar to the work the paper describes. I suggest you include these references, both of which are relevant to arid and semi-arid soils, as that is the focus of the manuscript under discussion:

Breecker, D., & Sharp, Z. D. (2008). A field and laboratory method for monitoring the concentration and isotopic composition of soil CO2. Rapid Communications in Mass

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Spectrometry, 22(4), 449-454.

Oerter, E. J., & Amundson, R. (2016). Climate controls on spatial and temporal variations in the formation of pedogenic carbonate in the western Great Basin of North America. GSA Bulletin, 128(7-8), 1095-1104.

Response: I will include the suggested references as they are apt for the topic of discussion.

Interactive comment on SOIL Discuss., https://doi.org/10.5194/soil-2018-9, 2018.