

Interactive comment on “Description of the Baseline Surface Radiation Network (BSRN) station at the Izaña Observatory (2009–2017): measurements and quality control/assurance procedures” by Rosa Delia Garcia et al.

Anonymous Referee #4

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The idea of the paper is to give an overview of different methods used in the IZA BSRN station in the treatment of radiation data and others. The authors explain the quality control, calibration and diverse methodology applied to the data that are submitted to the WRCP. The SWD, DIR and DIF data are compared with LibRadTran radiative transfer model simulations, showing good agreement.

Although comparisons between observed measurements and simulations from clear sky models are a usual work, both description of measurements and instruments at Izaña and methodology applied to data (radiation corrections, quality control) are ex-

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tended and well defined. The authors present a web site in which the Izaña BSRN station with the associated data is shown, displaying in real time comparisons between measurements and simulations of diverse radiation data (long-term series and derived data). Finally, the authors have included a scientific exploitation of Izaña BSRN data in which they show different works using the data. Therefore, I think the manuscript deserves publication.

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