

We are very thankful to Anonymous Referee #1 for being so supportive of our work presented in this paper. Ours is a first attempt from inside the Portuguese Geophysical Institutes to thoroughly scrutinised the data observed in our premises, which are the longest time series in the country. This is especially important for climate studies, which have to be performed with credible data. Our inner knowledge of how the data was collected positions us to have additional valuable metadata information that is possibly difficult to reach from the outside. We hope to be extending our studies to other meteorological variables in the near future, and we are very open to additional studies about the data presented in this paper. We can only profit from improving the quality of our datasets.