

Interactive comment on “Early Portuguese meteorological records (18th century)” by M. J. Alcoforado et al.

Anonymous Referee #2

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The paper contains a compilation of meteorological observations made in continental Portugal and overseas during the 18th century. The data provided contributes greatly to the body of knowledge on historical climatology in southern Europe in that century. The information provided about Madeira and Brazil also serves to reinforce information about punctual events. The historical series of data used is robust as well as organized and identified systematically. The reasoning followed in the analysis of the information is correct, as well as the bibliographical references used. I see a break in the logical sequence of the text between subsections 3.5 and 3.6 because the interpretation of the importance of some of the series of information is explained before the chronological list of all of them had been completed. To correct this I suggest moving the whole text between lines 11 page 3413 and line 12 page 1415 to a new subsection where the evaluation of all the meteorological

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series can be concentrated. I also miss an introductory paragraph in section 4 to present the examples chosen to demonstrate the interest of the compiled data. In addition, you should explain succinctly the procedure followed to convert the compiled data to SI units. I cannot find the citations corresponding to the references to Pfister 1994, Pisek and Brádzil 2006, Ferreira, 1944 in the text. Connect them if necessary.

Please also note the supplement to this comment:

<http://www.clim-past-discuss.net/7/C1858/2011/cpd-7-C1858-2011-supplement.pdf>

Interactive comment on Clim. Past Discuss., 7, 3399, 2011.