

Clim. Past Discuss., author comment AC2  
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## Reply on RC2

Denis-Didier Rousseau et al.

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Author comment on "Abrupt climate changes and the astronomical theory: are they related?" by Denis-Didier Rousseau et al., Clim. Past Discuss.,  
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Thanks to Reviewer #2 for their detailed comments and remarks, which will be taken fully into account in the revised version that is in preparation. Although the title of the manuscript is "Abrupt climate changes and the astronomical theory," we didn't intend to submit a complete review paper on the astronomical theory, which is the object of the entire Special Issue. Instead, we just wanted to sketch the evolution of ideas on the specific aspect of abrupt climate changes through a selected subset of papers, while injecting some of our own thinking and recent results. Such a selection cannot be entirely devoid of personal preferences. Still, we thank Reviewer #2 for pointing out several important papers that were missing from our selection.

With respect to the presentation of the paper's complementary aspects of literature review and original research, separating them entirely is one possible approach but not necessarily the best or only one. The combination of review with novel results in Sections 2 and 3 represents an approach that is followed in many review-and-research papers. We will attempt, though, to introduce appropriately titled subsections in order to improve the paper's legibility.