

Interactive comment on “Insights from elastic thermobarometry into exhumation of high-pressure metamorphic rocks from Syros, Greece” by Miguel Cisneros et al.

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This is an excellent paper. Well written and organized. The data is of very high quality. I actually have no real critique. The retrograde P-T derived from the detailed work presented here is the major result of this paper, and it is very similar to the one my colleagues and I derived based on the phase relations in glaucophane-bearing marbles and associated rocks twelve years ago. If I were to run these calculations again using updated solution models the results would be nearly identical to the results presented here. Consequently, I am very enthusiastic about these results.

My only very minor criticism is the reference to "metasedimentary" rocks. There should

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be a description of the kind of sediments they are interpreted to be. Too commonly, this term gets interpreted as shales (pelitic schists). There are certainly sedimentary rocks on Syros: (1) carbonates (marbles) and (2) very minor quartzites. In a few places, there are rocks that could have shale-like protoliths, but, most of the other rocks are either magmatic, volcanic or volcano-clastic that span a range of basic to felsic compositions.

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