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Interactive
comment

Interactive comment on "Myrmekite and strain weakening in granitoid mylonites" *by* Alberto Ceccato et al.

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Dear Editors, Dear Reviewers,

With this rebuttal letter, firstly we want to warmly thank the reviewers (Elena A. Miranda and an anonymous reviewer) for the comments and reviews that helped improve the structure of the manuscript. In addition to the changes suggested by the reviewers, major modifications include:

1. The text has been reviewed and polished to simplify sentences, disentangle complicated paragraphs and to delete repetitions or unclear statements.

2. Renumbering of the chapters; the third chapter has been split into two parts (Methods and Microstructures) to facilitate the reader and to improve the structure of the

manuscript.

3. Important data from supplementary material have been moved into the main set of figures. Data formerly included in figures SOM2 and SOM4 are now reported in figures 4 and 5.

4. Figure order and numbering have been modified accordingly.

5. The detailed description of rheological calculations applied for the elaboration of deformation mechanisms maps of Figure 9 (former Fig. 10) has been moved to the supplementary online material as suggested.

In addition to the detailed response to Reviewer's comments, attached to this rebuttal comment (Supplement) you will also find the former manuscript of the text with the tracked changes (Ceccato_etal_(Myrmekite)_TrackChanges.pdf), and the final reviewed manuscript (Ceccato_etal_(Myrmekite)_Reviewed Manuscript.pdf).

Sincerely, on behalf of all co-authors

Alberto Ceccato

Please also note the supplement to this comment:
https://www.solid-earth-discuss.net/se-2018-70/se-2018-70-AC4-supplement.zip

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Interactive comment on Solid Earth Discuss., https://doi.org/10.5194/se-2018-70, 2018.