

## ***Interactive comment on “The Rocklea Dome 3D Mineral Mapping Test Data Set” by Carsten Laukamp et al.***

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Thanks to Reviewer 2 for the constructive feedback. The text was revised accordingly. The responses below refer to items that have not been changed. Response to RC2 Lines 27, 56, 117, 122 and 361 < The age description was adopted from previously published papers about the Rocklea Dome area. As no additional work in terms of dating was done by our work, the authors prefer to adopt the published description. Response to RC2 117 to 123: Explain briefly the formation of CIDs <The description of the formation of CIDs would require quite a lot of text and is beyond the scope of this paper. As mentioned in the lines above line 117, a description of CID formation can be found in Haest et al. (2012b). Response to RC2 Line 230: ‘and composition of various geological materials.’ I suggest to modify this sentence like follows ‘and mineralogical

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composition of rocks and sediments' < Using "rocks and sediments" would restrict the group of material that can be analysed using HyLogger to a small subset of material that is analysed with these instruments in operation (e.g. Australian State and Territory Geological Surveys). A few words were added to the text to make that clear. Response to RC2 Lines 296: Consider to change 'down to circa 1 m' by '1 m' or '1 m'. < The original text was kept, as the authors wanted to make clear that the spatial resolution of remote sensing data sets, typically, can be as detailed as 1 m, but covers a wide range.

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