

Interactive comment on “Stability of soil organic matter in Cryosols of Maritime Antarctic: Insights from ¹³C NMR and electron spin resonance spectroscopy” by Evgeny Abakumov and Ivan Alekseev

Evgeny Abakumov and Ivan Alekseev

e_abakumov@mail.ru

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Dear Referees,

Thank you very much for your advices, which are crucial for improvement of our article.

We have modified our manuscript with your remarks as following: - All the spelling errors have been checked, incorrect spellings were corrected (Line 80, 114, 186, 279, 375); - Paragraphs and sentences have been rephrased when it was hard to follow (lines 281-284, 290-291); - Abbreviations of carbon species have been care-

Interactive
comment

fully checked and corrected (line 260, 266); - Tables 1-4 have been referenced in the text of our manuscript; - X and Y axis have been captured in figures 3-5; - Letter size has been checked and corrected in mentioned lines (lines 138, 139, 140, 322, 323); - Missing intervals in the reference list have been added; - The data from Table 2 have been clarified and represent mass values; - Names of carbon species have been changed accordingly in Tables 3,4; - The name of Table 5 has been changed; - Key points/Highlights sections have been reviewed and improved; - Reference list has been checked and improved according to the journal's requirements; - The figure with sampling plots and study area has been carefully checked and improved, insert map of Fildes peninsula with sampling plots has been added; - Soil samples names mentioned in tables 1-5 has been corrected to the right ones (1 O, 1 [CRH]; 2 O, 2 [CRH], 3 O, 3 [CRH])

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