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

Anonymous Referee #2

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Following comments are made with aim to improve the quality of manuscript: 1. list of references should be improved and styled according to the journal requirements. 2. table 2 – clarify if data presented in mass or atomic values? 3. table 5 better to call “Free radical concentration in. . .” and improve the second collumn. 4. table 5 – clarify
the error of ESR methods 5. sample codes in table 4 do not correspond to table 1. 6. fig 1 – It is not evident were sampling point were located. 7. fig 2 – capture – clarify 1,2 and 3 designations. 8. fig 3-5 are low quality and axes are not designated.

Other minor issues: Line 13-15, 34-36 – key words are the same as highlights Line 80 Lodigin change to Lodygin Line 80 – excess braket Line 186 - correct "ZrO2". Line 189 , table 3, 4 - aryl/olefin change to aromatic Table 3 and 4 Calkyl, Calkyl/O-N alkyl, Caryl/Calkyl change to Alkyl, alkyl/O-N alkyl, Arom/Alkyl Table 3 and 4 – lines 2 and 5 – add “Chemical shift, ppm” Line 487 Figure 4. Change to Fig. 3. Line 488 – Figure 5. Change to Fig. 4.