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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 #1

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STABILITY OF SOIL ORGANIC MATTER IN CRYOSOLS OF MARITIME 2 ANTARCTIC: INSIGHTS FROM 13-C NMR AND ELECTRON SPIN RESONANCE 3 SPECTROSCOPY

Evgeny Abakumov, Ivan Alekseev

row 108 delete) rows 138, 139, 140, 322, 323 - letter size is different row 375, affect, error - affecr 434 intervals are needed for the initials of the names row 451, Table 1 - The organic carbon content is two high (from over 6 to over 25%) There are inves-

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Discussion paper

tigations in Livingston island, where the organic carbon content is low even around pinguinum rockeries

I ecomend the following papers:

Sokolovska, M., L. Petrova, N. Chipev. Particulars of Humus Formation in Antarctic Soils: Factors, Mechanisms, Properties. – Bulgarian Antarctic Research: Life Sciences, 1, 1996. - 7–12. Sokolovska, M., N. Chipev, R. Ilieva, M. Nustorova, L. Petrova, Z. Vergilov, R. Hristova, J. Bech. Soils in Livingston Island: Composition, properties and ecological aspects. - In: Bulgarian Antarctic Research, A Syntesis (Ed. Pimpirev, C. and N. Chipev), Sofia, “St. Kl. Ohridski” University Press, 2015. – 308-319.

Interactive comment on Solid Earth Discuss., https://doi.org/10.5194/se-2018-44, 2018.