Accepted Manuscript

Reworking of Archean mantle in the NE Siberian craton by carbonatite and silicate melt metasomatism: Evidence from a carbonate-bearing, dunite-to-websterite xenolith suite from the Obnazhennaya kimberlite

Dmitri A. Ionov, Luc S. Doucet, Yigang Xu, Alexander V. Golovin, Oleg B. Oleinikov

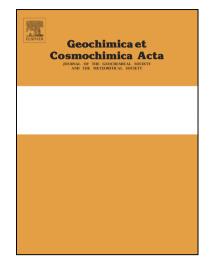
PII: S0016-7037(18)30002-4

DOI: https://doi.org/10.1016/j.gca.2017.12.028

Reference: GCA 10601

To appear in: Geochimica et Cosmochimica Acta

Received Date: 18 August 2017 Accepted Date: 30 December 2017



Please cite this article as: Ionov, D.A., Doucet, L.S., Xu, Y., Golovin, A.V., Oleinikov, O.B., Reworking of Archean mantle in the NE Siberian craton by carbonatite and silicate melt metasomatism: Evidence from a carbonate-bearing, dunite-to-websterite xenolith suite from the Obnazhennaya kimberlite, *Geochimica et Cosmochimica Acta* (2018), doi: https://doi.org/10.1016/j.gca.2017.12.028

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Reworking of Archean mantle in the NE Siberian craton by carbonatite and silicate melt metasomatism: evidence from a carbonate-bearing, dunite-to-websterite xenolith suite from the Obnazhennaya kimberlite

Dmitri A. Ionov^{a,b*}, Luc S. Doucet^{c,d}, Yigang Xu^b, Alexander V. Golovin^{e,f}, Oleg

B. Oleinikov^g,

^a Géosciences Montpellier, Université de Montpellier, 34095 Montpellier, France
 ^b Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, 510640 Guangzhou, China
 ^c Laboratoire G-Time, Université Libre de Bruxelles, 1000 Brussels, Belgium
 ^d The Institute of Geosciences Research, Department of Applied Geology, Curtin University, Perth
 6845, Australia

^e Sobolev Institute of Geology and Mineralogy, Siberian Branch Russian Academy of Sciences, Koptyuga 3, Novosibirsk 630090, Russian Federation

 f Novosibirsk State University, Pirogova 2, Novosibirsk 630090, Russian Federation

⁸ Diamond and Precious Metal Geology Institute, Siberian Branch Russian Academy of Sciences, Lenina 39, Yakutsk 677007, Russian Federation

* Corresponding author.

E-mail address: dmitri.ionov@gm.univ-montp2.fr (Dmitri Ionov)

8472 words in the main text

Download English Version:

https://daneshyari.com/en/article/8910868

Download Persian Version:

https://daneshyari.com/article/8910868

<u>Daneshyari.com</u>