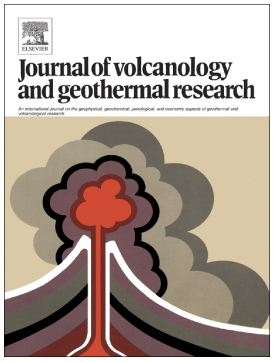

Incipient rifting accompanied by the release of subcontinental lithospheric mantle volatiles in the Magadi and Natron basin, East Africa

Hyunwoo Lee, Tobias P. Fischer, James D. Muirhead, Cynthia J. Ebinger, Simon A. Kattenhorn, Zachary D. Sharp, Gladys Kianji, Naoto Takahata, Yuji Sano

PII: S0377-0273(17)30168-3
DOI: doi: 10.1016/j.jvolgeores.2017.03.017
Reference: VOLGEO 6047

To appear in: *Journal of Volcanology and Geothermal Research*

Received date: 16 November 2016
Revised date: 10 March 2017
Accepted date: 14 March 2017

Please cite this article as: Hyunwoo Lee, Tobias P. Fischer, James D. Muirhead, Cynthia J. Ebinger, Simon A. Kattenhorn, Zachary D. Sharp, Gladys Kianji, Naoto Takahata, Yuji Sano , Incipient rifting accompanied by the release of subcontinental lithospheric mantle volatiles in the Magadi and Natron basin, East Africa. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Volgeo(2017), doi: 10.1016/j.jvolgeores.2017.03.017

Incipient rifting accompanied by the release of subcontinental lithospheric mantle volatiles in the Magadi and Natron basin, East Africa

Hyunwoo Lee[a,*], Tobias P. Fischer[a], James D. Muirhead[b], Cynthia J. Ebinger[c], Simon A. Kattenhorn[d], Zachary D. Sharp[a], Gladys Kianji[e], Naoto Takahata[f], Yuji Sano[f]

[a]Department of Earth and Planetary Sciences, University of New Mexico, Albuquerque, New Mexico 87131, USA.

[b]Department of Earth Sciences, Syracuse University, Syracuse, New York 13244, USA.

[c]Department of Earth and Environment Sciences, Tulane University, New Orleans, Louisiana 70118, USA.

[d]Department of Geological Sciences, University of Alaska Anchorage, Anchorage, Alaska 99508, USA.

[e]Department of Geology, Chiromo Campus, University of Nairobi, P.O. Box 30197-00100, Nairobi, Kenya.

[f]The Atmosphere and Ocean Research Institute, University of Tokyo, Kashiwa, Chiba 277-8564, Japan.

*Corresponding author.

Tel.: +1 505 814 4974

E-mail: lhw615@gmail.com (H. Lee)

Key words (six): thermal springs, volatiles, stable isotopes, noble gases, fluxes, subcontinental lithospheric mantle