

Accepted Manuscript

Crustal structure of southern Burkina Faso inferred from magnetotelluric, gravity and magnetic data

F. Le Pape, A.G. Jones, M.W. Jessell, S. Perrouty, L.A. Gallardo, L. Baratoux, C. Hogg, L. Siebenaller, A. Touré, P. Ouyia, G. Boren

PII: S0301-9268(17)30058-X

DOI: <http://dx.doi.org/10.1016/j.precamres.2017.08.013>

Reference: PRECAM 4860

To appear in: *Precambrian Research*

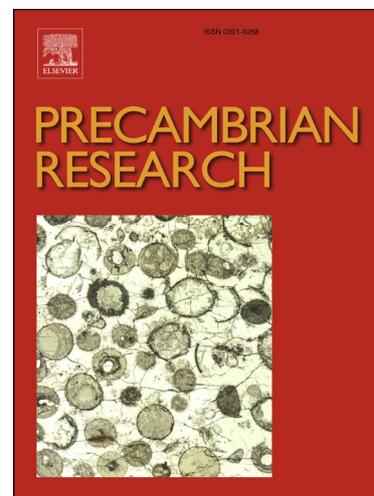
Received Date: 27 January 2017

Revised Date: 4 August 2017

Accepted Date: 7 August 2017

Please cite this article as: F. Le Pape, A.G. Jones, M.W. Jessell, S. Perrouty, L.A. Gallardo, L. Baratoux, C. Hogg, L. Siebenaller, A. Touré, P. Ouyia, G. Boren, Crustal structure of southern Burkina Faso inferred from magnetotelluric, gravity and magnetic data, *Precambrian Research* (2017), doi: <http://dx.doi.org/10.1016/j.precamres.2017.08.013>

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18
19 **Abstract**

20 Understanding the architecture of the West African craton at depth is essential to be able to
21 reconstruct its evolution. Here, this study focuses on the crustal imaging of structures and
22 geometries characterizing the crust of the Leo-Man shield with broadband and long period
23 magnetotelluric data collected in southern Burkina Faso and covering a 220km long profile. The
24 resulting 3D resistivity crustal model highlights the distribution of the granite-greenstone

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