

## Accepted Manuscript

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PII: S0301-9268(17)30063-3

DOI: <http://dx.doi.org/10.1016/j.precamres.2017.08.021>

Reference: PRECAM 4868

To appear in: *Precambrian Research*

Received Date: 2 February 2017

Revised Date: 7 August 2017

Accepted Date: 26 August 2017

Please cite this article as: J.G. Shellnutt, N.H.T. Pham, S.W. Denyszyn, M-W. Yeh, T-Y. Lee, Timing of collisional and post-collisional Pan-African Orogeny silicic magmatism in south-central Chad, *Precambrian Research* (2017), doi: <http://dx.doi.org/10.1016/j.precamres.2017.08.021>

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Timing of collisional and post-collisional Pan-African Orogeny silicic magmatism  
in south-central Chad

J. Gregory Shellnutt<sup>a\*</sup>, Ngoc Ha T. Pham<sup>a</sup>, Steven W. Denyszyn<sup>b</sup>, Meng-Wan Yeh<sup>a,c</sup>, Tung-Yi  
Lee<sup>a</sup>

<sup>a</sup>*National Taiwan Normal University, Department of Earth Science, 88 Tingzhou Road Section 4,  
Taipei 11677, Taiwan*

<sup>b</sup>*University of Western Australia, School of Earth and Environment, 35 Stirling Highway, 6009  
Australia*

<sup>c</sup>*Center for General Education, National Taiwan Normal University, 162 Heping East Road  
Section 1, Taipei 106, Taiwan*

\*Corresponding author.

*E-mail address: [jgshelln@ntnu.edu.tw](mailto:jgshelln@ntnu.edu.tw) (J.G. Shellnutt)*

**Abstract**

Precambrian crust within southern Chad and eastern Cameroon preserves rocks that were remobilized and emplaced during and after the Neoproterozoic (~650 Ma to ~610 Ma) collision between the Congo, São Francisco, West African cratons and the Saharan Metacraton. The Guéra Massif of south-central Chad and granites located near Lake Fitri are inferred to be of Neoproterozoic age but there are no radio-isotopic dates available to confirm their association with the Pan-African Orogeny (Central African Fold Belt). New zircon U/Pb geochronology of

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