## Accepted Manuscript

Time constraints on deformation of the Ajjaj branch of one of the largest Proterozoic shear zones on Earth: The Najd Fault System

M. Hassan, K. Stüwe, T.S. Abu-Alam, U. Klötzli, M. Tiepolo

PII:	S1342-937X(15)00116-1
DOI:	doi: 10.1016/j.gr.2015.04.009
Reference:	GR 1439

To appear in: Gondwana Research

Received date:23 July 2014Revised date:20 April 2015Accepted date:20 April 2015



Please cite this article as: Hassan, M., Stüwe, K., Abu-Alam, T.S., Klötzli, U., Tiepolo, M., Time constraints on deformation of the Ajjaj branch of one of the largest Proterozoic shear zones on Earth: The Najd Fault System, *Gondwana Research* (2015), doi: 10.1016/j.gr.2015.04.009

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

Time constraints on deformation of the Ajjaj branch of one of the largest Proterozoic shear zones on Earth: The Najd Fault System

M. Hassan<sup>a,b,e\*</sup>, K. Stüwe<sup>a</sup>, T.S. Abu-Alam<sup>c,d,e</sup>, U. Klötzli<sup>f</sup>, M. Tiepolo<sup>g</sup>

<sup>a</sup> Institut für Erdwissenschaften, Universität Graz, Universitätsplatz 2, A-8010 Graz, Austria

<sup>b</sup> Geology Department, Faculty of Science, Suez Canal University, 41522 Ismailia, Egypt

<sup>c</sup> Norwegian Polar Institute, Hjalmar Johansens gt. 14, NO-9296 Tromsø, Norway

<sup>d</sup> Geology Department, Faculty of Science, Tanta University, Tanta, Egypt

<sup>e</sup>Egyptian Institute of Geodynamic, Cairo, Egypt

<sup>f</sup> Department of Lithospheric Research, Universität Wien, Althanstrasse 14, A-1090 Wien, Austria

<sup>g</sup> C.N.R. - Istituto di Geoscienze e Georisorse, U. O. S. di Pavia, via Ferrata 1, I-27100 Pavia, Italy

\* Corresponding author: <u>mahmoud.ali-hassan@uni-graz.at</u>

Short title: Time constraints on deformation of Ajjaj shear zone, Saudi Arabia

Download English Version:

## https://daneshyari.com/en/article/6443327

Download Persian Version:

https://daneshyari.com/article/6443327

Daneshyari.com