## Accepted Manuscript

Stress evolution and associated microstructure during transient creep of olivine at 1000-1200  $^{\circ}\text{C}$ 

M. Thieme, S. Demouchy, D. Mainprice, F. Barou, P. Cordier

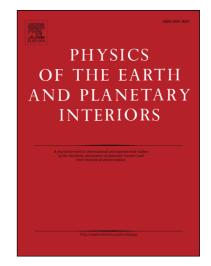
PII: S0031-9201(17)30306-0

DOI: https://doi.org/10.1016/j.pepi.2018.03.002

Reference: PEPI 6137

To appear in: Physics of the Earth and Planetary Interiors

Received Date: 16 October 2017 Revised Date: 14 February 2018 Accepted Date: 9 March 2018



Please cite this article as: Thieme, M., Demouchy, S., Mainprice, D., Barou, F., Cordier, P., Stress evolution and associated microstructure during transient creep of olivine at 1000-1200 °C, *Physics of the Earth and Planetary Interiors* (2018), doi: https://doi.org/10.1016/j.pepi.2018.03.002

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**

### Stress evolution and associated microstructure during transient creep

#### of olivine at 1000-1200 $^{\circ}$ C

M. Thieme<sup>1\*</sup>, S. Demouchy<sup>1</sup>, D. Mainprice<sup>1</sup>, F. Barou<sup>1</sup>, P. Cordier<sup>2</sup>

#### February 2018

Revised version for Phys. Earth Planet. Int.

V5

\* corresponding author

Manuel Thieme

Place Eugène Bataillon, Bat. 22

34095 Montpellier, FRANCE

Manuel.Thieme@gm.univ-montp2.fr

+33 7 68 47 22 81

<sup>&</sup>lt;sup>1</sup> Geosciences Montpellier, CNRS & Université de Montpellier, UMR5243, 34095 Montpellier, France

 $<sup>^2</sup>$  Univ. Lille, CNRS, INRA, ENSCL, UMR 8207 - UMET - Unité Matériaux et Transformations, F-59000 Lille, France

#### Download English Version:

# https://daneshyari.com/en/article/8915702

Download Persian Version:

https://daneshyari.com/article/8915702

<u>Daneshyari.com</u>