

sample transformed to a folded structure; the Alaskan sample folded at ~575 K under vacuum. A structure model was refined for the folded structure. At ~1015 K for the sample heated in air,  $\beta$ -quartz diffraction peaks appeared and increased in intensity as heating continued to the maximum temperature. Cristobalite formed above ~1050 K, along with a small amount of clinoenstatite, and both phases persisted to the maximum temperature studied.

Key Words: Palygorskite • Rietveld • synchrotron • X-ray diffraction • time-resolved

# This article has been cited by other articles:



#### Clay Minerals

HOME

R. Giustetto and R. Compagnoni An unusual occurrence of palygorskite from Montestrutto, Sesia-Lanzo zone, internal Western Alps (Italy) Clay Minerals, August 26, 2011; 46(3): 371 - 385. [Abstract] [Full Text] [PDF]



#### European Journal of Mineralogy

E. T. Stathopoulou, M. Suarez, E. Garcia-Romero, M. S. Del Rio, G. H. Kacandes, V. Gionis, and G. D. Chryssikos Trioctahedral entities in palygorskite: Near-infrared evidence for sepiolite-palygorskite polysomatism European Journal of Mineralogy, August 1, 2011; 23(4): 567 - 576. [Abstract] [Full Text] [PDF]



### European Journal of Mineralogy

R. Giustetto, D. Levy, O. Wahyudi, G. Ricchiardi, and J. G. Vitillo Crystal structure refinement of a sepiolite/indigo Maya Blue pigment using molecular modelling and synchrotron diffraction European Journal of Mineralogy, June 1, 2011; 23(3): 449 - 466. [Abstract] [Full Text] [PDF]



## **Clays and Clay Minerals**

E. Garcia-Romero and M. Suarez ON THE CHEMICAL COMPOSITION OF SEPIOLITE AND PALYGORSKITE Clays and Clay Minerals, February 1, 2010; 58(1): 1 - 20. [Abstract] [Full Text] [PDF]



## **American Mineralogist**

G. D. Chryssikos, V. Gionis, G. H. Kacandes, E. T. Stathopoulou, M. Suarez, E. Garcia-Romero, and M. S. Del Rio Octahedral cation distribution in palygorskite American Mineralogist, January 1, 2009; 94(1): 200 - 203. [Abstract] [Full Text] [PDF]

JOURNAL HOME HELP CONTACT PUBLISHER SUBSCRIBE ARCHIVE SEARCH TABLE OF CONTENTS

Copyright © 2011 by Mineralogical Society of America

номе

HOME

HOME

HOME