



[Journal Name]

Supporting Information for

InterCarb: A community effort to improve inter-laboratory standardization of the carbonate clumped isotope thermometer using carbonate standards

S.M. Bernasconi¹, M. Daëron², K.D. Bergmann³, M. Bonifacie⁴, A.N. Meckler⁵, H.P. Affek⁶, N. Anderson³, D. Bajnai⁷, E. Barkan⁶, E. Beverly^{8†}, D. Blamart², L. Burgener⁹, D. Calmels^{4†}, C. Chaduteau⁴, M. Clog¹⁰, B. Davidheiser-Kroll¹¹, A. Davies^{12††}, F. Dux^{13†}, J. Eiler¹⁴, B. Elliott¹⁵, A. C. Fetrow¹¹, J. Fiebig⁷, S. Goldberg³, M. Hermoso^{4,23}, K.W. Huntington¹⁶, E. Hyland⁹, M. Ingalls^{14†}, M. Jaggi¹, C.M. John¹², A. B. Jost³, S. Katz⁸, J. Kelson⁸, T. Kluge^{12†}, I.J. Kocken¹⁷, A. Laskar¹⁸, T.J. Leutert^{5†}, D. Liang¹⁸, J. Lucarelli¹⁵, T. J. Mackey^{3†}, X. Mangenot^{4,14}, N. Meinicke⁵, S.E. Modestou⁵, I.A. Müller¹⁷, S. Murray¹⁹, A. Neary⁸, N. Packard⁸, B.H. Passey⁸, E. Pelletier⁸, S. Petersen⁸, A. Piasecki^{5††}, A. Schauer¹⁶, K.E. Snell¹¹, P.K. Swart²⁰, A. Tripathi¹⁵, D. Upadhyay¹⁵, T. Vennemann²¹, I. Winkelstern^{8††}, D. Yarian⁸, N. Yoshida^{22,24}, N. Zhang²², M. Ziegler¹⁷

¹Geological Institute, ETH Zürich, Sonneggstrasse 5, 8092 Zürich, Switzerland

²Laboratoire des Sciences du Climat et de l'Environnement, LSCE/IPSL, CEA-CNRS-UVSQ, Université Paris-Saclay, Orme des Merisiers, F-91191 Gif-sur-Yvette, France

³Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology, Cambridge, MA 02139, USA

^{3†}now at Earth and Planetary Sciences, University of New Mexico, Albuquerque, New Mexico, USA

⁴Université de Paris, Institut de Physique du Globe de Paris, CNRS, F-75005 Paris, France

^{4†}now at Geosciences Paris Sud (GEOPS), Université Paris-Saclay, CNRS, 91405 Orsay, France

⁵Bjerknes Centre for Climate Research and Department of Earth Science, University of Bergen, Bergen, Norway

^{5†}now at Max Planck Institute for Chemistry, Mainz, Germany; thomas.leutert@mpic.de

^{5††}now at Department of Earth Sciences, Dartmouth College, Hanover, NH, USA

⁶Institute of Earth Sciences, Hebrew University of Jerusalem, Jerusalem, Israel

⁷Institute of Geosciences, Goethe University Frankfurt, Frankfurt am Main, Germany

- ⁸Department of Earth and Environmental Sciences, University of Michigan, Ann Arbor, Michigan, USA
- ^{8†}now at Department of Earth and Atmospheric Sciences, University of Houston, Houston, Texas, USA
- ^{8††}now at Geology Department, Grand Valley State University, Allendale, Michigan, USA
- ⁹Marine, Earth and Atmospheric Sciences, North Carolina State University, Raleigh, USA
- ¹⁰Scottish Universities Environmental Research Centre (SUERC), Glasgow, Scotland
- ¹¹University of Colorado Boulder, Boulder, Colorado, USA
- ¹²Imperial College, London, UK
- ^{12†}now at Karlsruher Institut für Technologie KIT
- ^{12††}now at Stockholm University
- ¹³School of Geography, University of Melbourne, Australia
- ^{13†}now at School of Earth and Life Sciences, University of Wollongong, Australia
- ¹⁴Geological and Planetary Sciences, California Institute of Technology, Pasadena, California, USA
- ^{14†}now at Department of Geosciences, The Pennsylvania State University, University Park, PA, USA
- ¹⁵Department of Earth, Planetary, and Space Sciences, University of California Los Angeles, Los Angeles, CA, USA
- ¹⁶University of Washington, Seattle, Washington, USA
- ¹⁷Department of Earth Sciences, University of Utrecht, Utrecht, Netherlands
- ¹⁸Institute of Earth Sciences, Academia Sinica, Taipei, Taiwan
- ¹⁹Macquarie University, Australia
- ²⁰RSMAS/MGS University of Miami, Miami, FL, USA
- ²¹Institute of Earth Surface Dynamics, University of Lausanne, Lausanne, Switzerland
- ²²Earth-Life Science Institute, Tokyo Institute of Technology, Tokyo, Japan
- ²³Univ. Littoral Côte d'Opale, Univ. Lille, CNRS, Laboratoire d'Océanologie et de Géosciences (UMR 8187 LOG), 62930 Wimereux, France.

Corresponding authors: Stefano M. Bernasconi (stefano.bernasconi@erdw.ethz.ch)
Mathieu Daëron (daeron@lsce.ipsl.fr)

Contents of this file
Figure S1, Figure S2

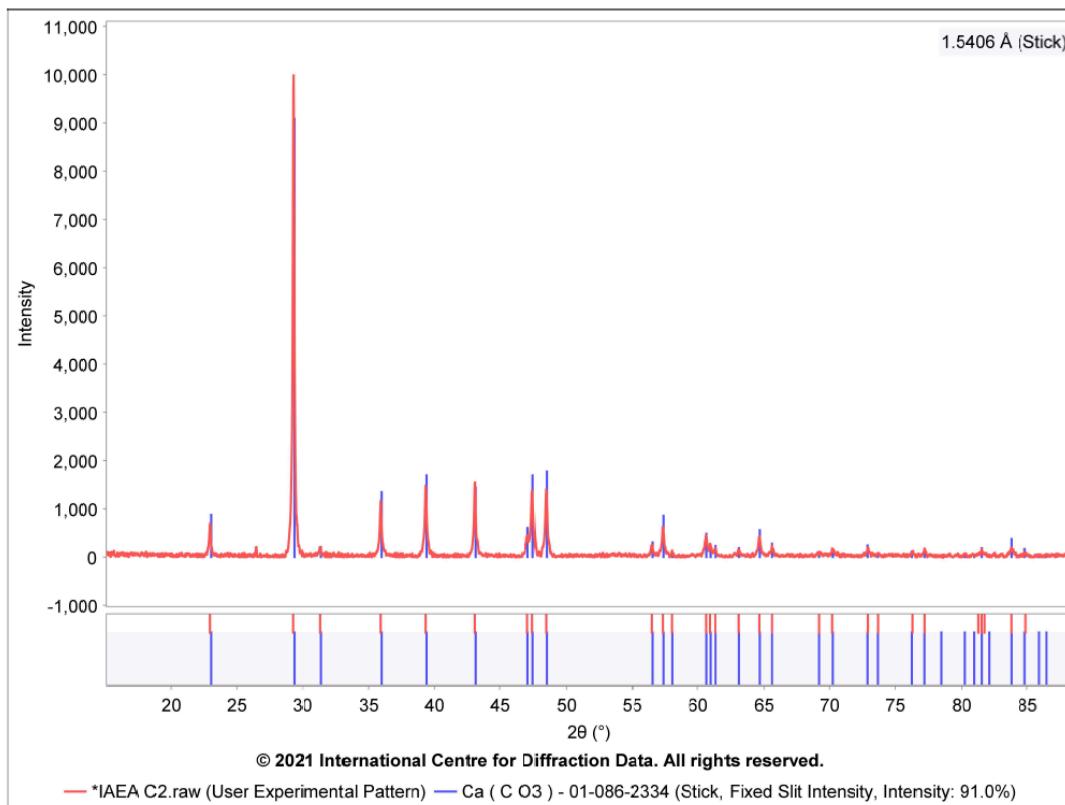


Figure S1. XRD pattern of IAEA-C2

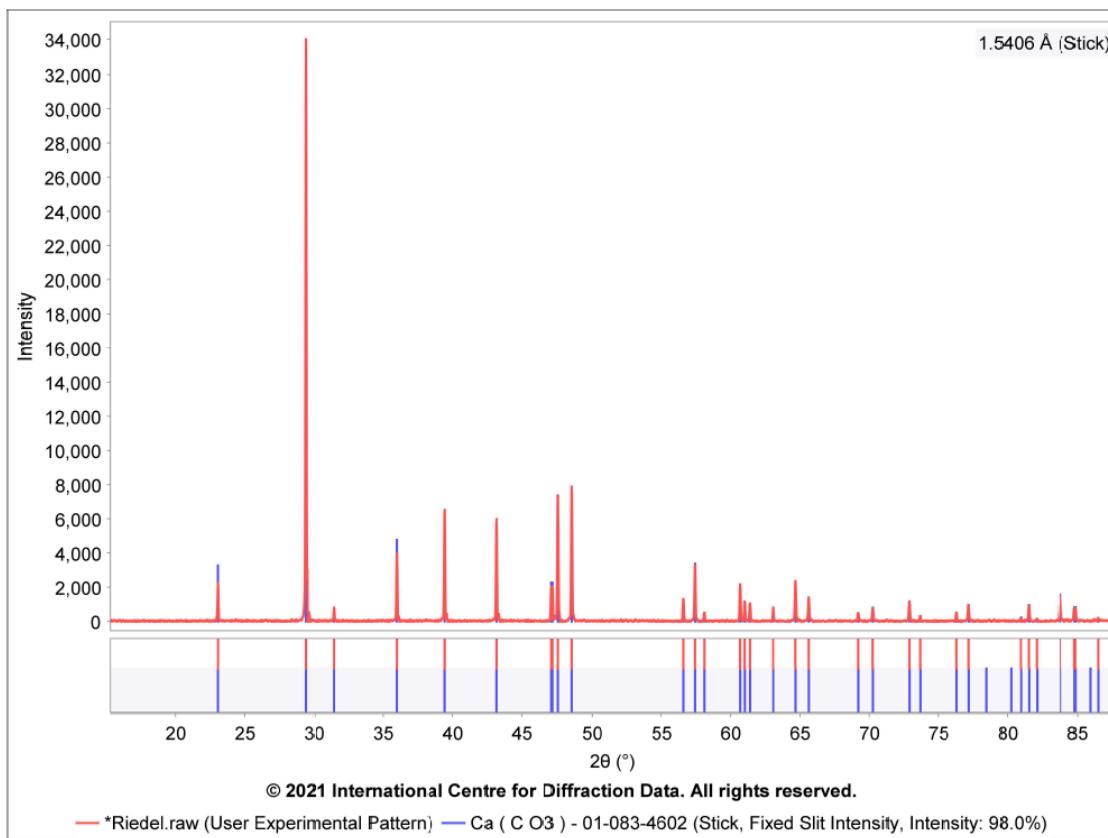


Figure S2. XRD pattern of ETH-4