

## Accepted Manuscript

Quantitative reconstruction of seasonality from stable isotopes in teeth

Daniel R. Green, Tanya M. Smith, Gregory M. Green, Felicitas B. Bidlack, Paul Tafforeau, Albert S. Colman

PII: S0016-7037(18)30328-4  
DOI: <https://doi.org/10.1016/j.gca.2018.06.013>  
Reference: GCA 10802

To appear in: *Geochimica et Cosmochimica Acta*

Received Date: 3 November 2017  
Accepted Date: 12 June 2018

Please cite this article as: Green, D.R., Smith, T.M., Green, G.M., Bidlack, F.B., Tafforeau, P., Colman, A.S., Quantitative reconstruction of seasonality from stable isotopes in teeth, *Geochimica et Cosmochimica Acta* (2018), doi: <https://doi.org/10.1016/j.gca.2018.06.013>

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.



Title (81 characters)

Quantitative reconstruction of seasonality from stable isotopes in teeth.

Authors

Daniel R. Green<sup>a,b</sup>, Tanya M. Smith<sup>a,c</sup>, Gregory M. Green<sup>d,e</sup>, Felicitas B. Bidlack<sup>b</sup>, Paul Tafforeau<sup>f</sup>, Albert S. Colman<sup>g</sup>

Author affiliations:

a. Department of Human Evolutionary Biology, Harvard University, 11 Divinity Avenue, Cambridge MA 02138, USA

b. Forsyth Institute, 245 First Street, Cambridge, MA 02142, USA

c. Australian Research Center for Human Evolution, Griffith University, 170 Kessels Road Nathan, QLD 4111 Australia

d. Center for Astrophysics, Harvard University, 60 Garden Street, Cambridge, MA 02138

e. Kavli Institute for Particle Physics and Cosmology, Stanford University, 452 Lomita Mall Stanford, CA 94305-4085, USA

f. European Synchrotron Radiation Facility, 71 avenue des Martyrs, 38000 Grenoble, France

g. Department of the Geophysical Sciences, University of Chicago, 5734 South Ellis Avenue, Chicago, IL 60637, USA

Corresponding author

Daniel R. Green  
Forsyth Institute, 245 First Street, Cambridge MA 02142  
(248) 250-4495  
dgreen@forsyth.org

Keywords

Human evolution, isotope physiology, seasonality, oxygen isotopes, biomineralization

Download English Version:

<https://daneshyari.com/en/article/8910694>

Download Persian Version:

<https://daneshyari.com/article/8910694>

[Daneshyari.com](https://daneshyari.com)