

Accepted Manuscript

A comparison between water recirculation and terrestrially-driven dissolved silica fluxes to the Mediterranean Sea traced using radium isotopes

Joseph Tamborski, Simon Bejannin, Jordi Garcia-Orellana, Marc Souhaut, Céline Charbonnier, Pierre Anschutz, Mireille Pujo-Pay, Pascal Conan, Olivier Crispi, Christophe Monnin, Thomas Stieglitz, Valentí Rodellas, Aladin Andrisoa, Christelle Claude, Pieter van Beek

PII: S0016-7037(18)30400-9
DOI: <https://doi.org/10.1016/j.gca.2018.07.022>
Reference: GCA 10853

To appear in: *Geochimica et Cosmochimica Acta*

Received Date: 11 December 2017
Revised Date: 29 June 2018
Accepted Date: 13 July 2018

Please cite this article as: Tamborski, J., Bejannin, S., Garcia-Orellana, J., Souhaut, M., Charbonnier, C., Anschutz, P., Pujo-Pay, M., Conan, P., Crispi, O., Monnin, C., Stieglitz, T., Rodellas, V., Andrisoa, A., Claude, C., van Beek, P., A comparison between water recirculation and terrestrially-driven dissolved silica fluxes to the Mediterranean Sea traced using radium isotopes, *Geochimica et Cosmochimica Acta* (2018), doi: <https://doi.org/10.1016/j.gca.2018.07.022>

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.



A comparison between water recirculation and terrestrially-driven dissolved silica fluxes to the Mediterranean Sea traced using radium isotopes

Joseph Tamborski^{a}, Simon Bejannin^a, Jordi Garcia-Orellana^{b,c}, Marc Souhaut^a, Céline Charbonnier^d, Pierre Anschutz^d, Mireille Pujo-Pay^e, Pascal Conan^e, Olivier Crispì^e, Christophe Monnin^f, Thomas Stieglitz^{g,h}, Valentí Rodellas^g, Aladin Andrisoa^g, Christelle Claude^g, Pieter van Beek^a*

^aLEGOS, Laboratoire d'Etudes en Géophysique et Océanographie Spatiales (Université de Toulouse, CNES, CNRS, IRD, UPS), Observatoire Midi Pyrénées, 14 Ave Edouard Belin, 31400 Toulouse, France

^bICTA, Institut de Ciència i Tecnologia Ambientals, Universitat Autònoma de Barcelona, 08193 Bellaterra, Catalunya, Spain

^cDepartament de Física, Universitat Autònoma de Barcelona, 08193 Bellaterra, Catalunya, Spain

^dEPOC, Environnements et Paléoenvironnements Océaniques et Continentaux, Université de Bordeaux, CNRS, UMR 5805, Talence, France

^eLOMIC, Laboratoire d'Océanographie Microbienne, Observatoire Océanologique, Sorbonne Universités, CNRS, UPMC Univ Paris 06, UMR7621, 66650 Banyuls/Mer, France

^fGET, Géosciences Environnement Toulouse (Université de Toulouse, CNRS, IRD, UPS), Observatoire Midi Pyrénées, 14 Ave Edouard Belin, 31400 Toulouse, France

^gAix-Marseille Université, CNRS, IRD, INRA, Coll France, CEREGE, Europôle de l'Arbois, BP80, 13545 Aix-en-Provence, France

^hCentre for Tropical Water & Aquatic Ecosystem Research, James Cook University, Townsville QLD 4811, Australia

*Corresponding author: joseph.tamborski@legos.obs-mip.fr

Download English Version:

<https://daneshyari.com/en/article/8910614>

Download Persian Version:

<https://daneshyari.com/article/8910614>

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