

**Small phytoplankton drive high summertime carbon and nutrient export in the
Gulf of California and Eastern Tropical North Pacific**

Viena Puigcorbé¹, Claudia R. Benitez-Nelson², Pere Masqué^{1, 3, 4}, Elisabet Verdeny¹,
Angelicque E. White⁵, Brian N. Popp⁶, Fredrick G. Prahl⁵, Phoebe J. Lam^{7, 8}

¹Institut de Ciència i Tecnologia Ambientals & Departament de Física, Universitat Autònoma de Barcelona, Bellaterra, Spain, ²Marine Science Program & Department of Earth & Ocean Sciences, University of South Carolina, Columbia, SC, USA, ³Oceans Institute & School of Physics. The University of Western Australia. 35 Stirling Highway. Crawley, WA, Australia, ⁴School of Natural Sciences & Centre for Marine Ecosystems Research, Edith Cowan University, Joondalup, WA, Australia, ⁵College of Earth, Ocean and Atmospheric Sciences, 104 CEOAS Administration Building, Oregon State University, Corvallis, OR, USA, ⁶Department of Geology and Geophysics, University of Hawaii, Honolulu, HI, USA, ⁷Department of Marine Chemistry and Geochemistry, Woods Hole Oceanographic Institution Woods Hole, MA, USA, ⁸Ocean Sciences Department, University of California Santa Cruz, Santa Cruz, CA, USA

Contents of this file

Tables S1

Additional Supporting Information (Files uploaded separately)

Captions for Tables S1: Concentration profiles of ²³⁴Th, C and N and stable isotopic composition for particulate samples^a

Introduction

The auxiliary material provided in Table S1 contains additional information about particle composition for small (1-53 μm) and large (>53 μm) particles collected using *in situ* pumps at different depths, as well as for sediment trap material collected after 24 h deployments at 100 m. The data supplied consist on ^{234}Th , carbon and nitrogen concentrations and stable isotopic composition ($\delta^{15}\text{N}$ and $\delta^{13}\text{C}$). Average carbon to nitrogen ratio for the three types of particulate material considered are presented at the bottom of the table, together with its standard deviation, the minimum and the maximum values. All the parameters presented in the table have been measured following the procedures described in the paper.