

Evidence for Shallow Respiration-Driven

Carbonate Dissolution in the North Pacific Ocean

Adam V. Subhas^{1,2}, Sijia Dong³, John Naviaux¹, Nick Rollins³, Jess F. Adkins¹, Patrizia Ziveri⁴, and William M. Berelson¹

¹California Institute of Technology, Pasadena, CA; ²Woods Hole Oceanographic Institution, Woods Hole, MA; ³University of Southern California, Los Angeles, CA; ⁴Universitat Autonoma de Barcelona, Barcelona, Spain



Dana and David Dornsife

College of Letters, Arts and Sciences

USCDornsife

CaCO Surface Deep Sedimentary Reservoir

CaCO₃ dissolution is a major part of of the dissolution flux has long been debated.

The Pacific ocean is deeply and aragonite, and exhibits steep

