Introducing the US Ocean Carbon Biogeochemistry Subcommittee on Ocean Time-Series

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The objective of this presentation is to showcase activities of the Ocean Time-series Committee (OTC), a subcommittee of the scientific steering committee of the US Ocean Carbon & Biogeochemistry (OCB) Program (www.us-ocb.org). OCB is a scientific coordinating body that facilitates collaborative, interdisciplinary research opportunities and initiatives within the U.S. and with international partners. The OTC's focus is to highlight the importance of shipboard time-series as unique observing assets to the oceanographic community, and to encourage synergistic and collaborative technology and methods development, including development and validation of sensors and autonomous devices, and their possible integration into existing time-series observations. A major emphasis of the OTC has been to improve communication and collaboration among U.S. and international scientists engaged in ocean time-series science. For example, in 2012, OCB/OTC and the International Ocean Carbon Coordination Project (IOCCP) co-organized an international time-series workshop in Bermuda focused on biogeochemical time-series methods and data intercomparison. A key outcome of this workshop was a best practices guide for shipboard sampling and analytical protocols used at biogeochemical time-series sites and the development of a global time-series network to improve international coordination and communication among the operators of the >150 marine biogeochemical time-series. We hope that this presentation will stimulate a discussion of common goals and visions for the future of time-series observations and ways to enhance collaboration among the international time-series community.