



Corrigendum to

“A compilation of global bio-optical in situ data for ocean-colour satellite applications – version two”

published in Earth Syst. Sci. Data, 11, 1037–1068, 2019

André Valente¹, Shubha Sathyendranath², Vanda Brotas^{1,2}, Steve Groom², Michael Grant^{2,3}, Malcolm Taberner³, David Antoine^{4,5}, Robert Arnone⁶, William M. Balch⁷, Kathryn Barker^{8,9,10}, Ray Barlow¹¹, Simon Bélanger¹², Jean-François Berthon¹³, Şükrü Beşiktepe¹⁴, Yngve Borsheim¹⁵, Astrid Bracher^{16,17}, Vittorio Brando^{18,19}, Elisabetta Canuti¹³, Francisco Chavez²⁰, Andrés Cianca²¹, Hervé Claustre⁴, Lesley Clementson²², Richard Crout²³, Robert Frouin²⁴, Carlos García-Soto^{25,26}, Stuart W. Gibb²⁷, Richard Gould²³, Stanford B. Hooker²⁸, Mati Kahru²⁴, Milton Kampel²⁹, Holger Klein³⁰, Susanne Kratzer³¹, Raphael Kudela³², Jesus Ledesma³³, Hubert Loisel³⁴, Patricia Matrai⁷, David McKee³⁵, Brian G. Mitchell²⁴, Tiffany Moisan^{36,†}, Frank Muller-Karger³⁷, Leonie O’Dowd³⁸, Michael Ondrusek³⁹, Trevor Platt², Alex J. Poulton⁴⁰, Michel Repecaud⁴¹, Thomas Schroeder⁴², Timothy Smyth², Denise Smythe-Wright⁴³, Heidi M. Sosik⁴⁴, Michael Twardowski⁴⁵, Vincenzo Vellucci⁴, Kenneth Voss⁴⁶, Jeremy Werdell²⁸, Marcel Wernand^{47,†}, Simon Wright⁴⁸, and Giuseppe Zibordi¹³

¹MARE – Marine and Environmental Sciences Centre, Faculdade de Ciências, Universidade de Lisboa, Campo Grande, 1749-016 Lisbon, Portugal

²Plymouth Marine Laboratory, Plymouth, PL1 3DH, UK

³EUMETSAT, Eumetsat-Allee 1, 64295 Darmstadt, Germany

⁴Sorbonne Université, CNRS, Laboratoire d’Océanographie de Villefranche, LOV, 06230 Villefranche-sur-Mer, France

⁵Remote Sensing and Satellite Research Group, School of Earth and Planetary Sciences, Curtin University, Perth, WA 6845, Australia

⁶University of Southern Mississippi, Stennis Space Center, MS, USA

⁷Bigelow Laboratory for Ocean Sciences, 60 Bigelow Dr., East Boothbay, ME 04544, USA

⁸ARGANS Ltd, Plymouth, UK

⁹CSIRO Oceans and Atmosphere, Perth, Western Australia, Australia

¹⁰Australian Research Data Commons, Caulfield East, Australia

¹¹Bayworld Centre for Research and Education, Cape Town, South Africa

¹²Université du Québec à Rimouski, Rimouski, Quebec, Canada

¹³European Commission, Joint Research Centre, Ispra, Italy

¹⁴Dokuz Eylul University, Institute of Marine Science and Technology, Izmir, Turkey

¹⁵Institute of Marine Research, Bergen, Norway

¹⁶Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany

¹⁷Institute of Environmental Physics, University Bremen, Bremen, Germany

¹⁸CSIRO Oceans and Atmosphere, Canberra, Australia

¹⁹CNR – ISMAR, Rome, Italy

²⁰Monterey Bay Aquarium Research Institute, Moss Landing, CA, USA

²¹PLOCAN – Oceanic Platform of the Canary Islands, Carretera de Taliarte, 35214 Telde, Gran Canaria, Spain

²²CSIRO Oceans and Atmosphere, Hobart, Australia

²³Naval Research Laboratory, Stennis Space Center, MS, USA

²⁴Scripps Institution of Oceanography, University of California San Diego, CA, USA

- ²⁵Spanish Institute of Oceanography (IEO), Corazón de María 8, 28002 Madrid, Spain
- ²⁶Plentziako Itsas Estazioa/Euskal Herriko Unibetsitatea (PIE/EHU), Areatza z/g, 48620 Plentzia, Spain
- ²⁷Environmental Research Institute, North Highland College, University of the Highlands and Islands, Thurso, Scotland, UK
- ²⁸NASA Goddard Space Flight Center, Greenbelt, MD, USA
- ²⁹Remote Sensing Division, National Space Research Institute (INPE), Sao Jose dos Campos, Brazil
- ³⁰Operational Oceanography Group, Federal Maritime and Hydrographic Agency, Hamburg, Germany
- ³¹Department of Ecology, Environment and Plant Sciences, Stockholm University, 106 91 Stockholm, Sweden
- ³²University of California Santa Cruz, Santa Cruz, CA, USA
- ³³Instituto del Mar del Perú, Callao, Peru
- ³⁴Laboratoire d’Océanologie et de Géosciences, Université du Littoral-Côte-d’Opale, Université Lille, CNRS, UMR 8187, LOG, 32 avenue Foch, Wimereux, France
- ³⁵Physics Department, University of Strathclyde, Glasgow, G4 0NG, Scotland, UK
- ³⁶NASA Goddard Space Flight Center, Wallops Flight Facility, Wallops Island, VA, USA
- ³⁷Institute for Marine Remote Sensing/ImaRS, College of Marine Science, University of South Florida, St Petersburg, FL, USA
- ³⁸Fisheries and Ecosystem Advisory Services, Marine Institute, Rinville – Oranmore, Galway, Ireland
- ³⁹NOAA/NESDIS/STAR/SOCD, College Park, MD, USA
- ⁴⁰Lyell Centre for Earth and Marine Science and Technology, Heriot-Watt University, Edinburgh, UK
- ⁴¹IFREMER Centre de Brest, Plouzane, France
- ⁴²CSIRO Oceans and Atmosphere, Brisbane, Australia
- ⁴³Ocean Biogeochemistry and Ecosystems, National Oceanography Centre, Waterfront Campus, Southampton, UK
- ⁴⁴Biology Department, Woods Hole Oceanographic Institution, Woods Hole, MA, USA
- ⁴⁵Harbor Branch Oceanographic Institute, Fort Pierce, FL, USA
- ⁴⁶University of Miami, Coral Gables, FL, USA
- ⁴⁷Royal Netherlands Institute for Sea Research, Texel, the Netherlands
- ⁴⁸Australian Antarctic Division and the Antarctic Climate and Ecosystems Cooperative Research Centre, Hobart, Australia
- †deceased

Correspondence: André Valente (adovalente@fc.ul.pt)

Published: 6 April 2020

An error has been introduced in the affiliations of the following authors: Thomas Schroeder, Lesley Clementson, Vittorio Brando. The correct list of affiliations has been inserted above.

Furthermore, the authors wish to add a sentence to the Acknowledgements. The corrected text can be found below.

Acknowledgements. This paper is a contribution to the ESA OC-CCI project. This work is also a contribution to project PEst-OE/MAR/UI0199/2014. We would like to thank the efforts of the teams responsible for collection of the data in the field and of the teams responsible for processing and storing the data in archives, without which this work would not be possible. We thank Tamoghna Acharyya and Robert Brewin at Plymouth Marine Laboratory for their initial contribution to this work. We thank the NOAA (US) for making available the MOBY data and Yong Sung Kim for the help in questions about MOBY data. BOUSSOLE is supported and funded by the European Space Agency (ESA), the Centre National d’Etudes Spatiales (CNES), the Centre National de

la Recherche Scientifique (CNRS), the Institut National des Sciences de l’Univers (INSU), the Sorbonne Université (SU) and the Institut de la Mer de Villefranche (IMEV). We thank ACRI-ST, ARGANS and ESA for access to the MERMAID database (<http://hermes.acri.fr/mermaid>, last access: 10 July 2019). We thank Annelies Hommersom, Pierre Yves Deschamps, Gavin Tilstone and David Siegel for allowing the use of MERMAID data for which they are principal investigators. We thank the British Oceanographic Data Centre (BODC) for access to AMT data and in particular to Polly Hadziabdic and Rob Thomas for their help in questions about the AMT dataset. We thank Victoria Hill, Patrick Holligan, Gerald Moore and Emilio Suarez for the use of AMT data for which they are principal investigators. We thank Sam Ahmed, Hui Feng, Alex Gilerson and Brent Holben for allowing the use of the AERONET-OC data for which they are principal investigators. We thank also the AERONET staff and site support people. The Australian Integrated Marine Observing System (IMOS) and CSIRO are acknowledged for funding the Lucinda AERONET-OC site. We thank Bob Bidigare, Matthew Church, Ricardo Letelier and Jasmine Nahorniak for making the HOT data available, as

well as the National Science Foundation for support of the HOT research (grant OCE 09-26766). We thank Yves Dandonneau for allowing the use of GeP&CO data. We thank the ICES database on the marine environment (Copenhagen, Denmark, 2014) for allowing the use of their archived data and Marilyn Sørensen for the help with questions about the ICES dataset. We thank all ICES contributors for their data. We thank Eric Zettler and Sea Education Association. The CARIACO Ocean Time-Series Program also provided significant decade-long bio-optical information used in this study. These data were obtained from NOMAD and SeaBASS. We thank NASA, SeaBASS and the Ocean Biology Processing Group (OBPG) for access to SeaBASS and NOMAD data. We thank NASA for project funding for data collection. We thank Chris Proctor from SeaBASS for his valuable and prompt help in a variety of questions. We are deeply thankful to the data contributors of NOMAD and SeaBASS: Kevin Arrigo, Mike Behrenfeld, Emmanuel Boss, Chris Brown, Mary Luz Canon, Douglas Capone, Ken Carder, Alex Chekalyuk, Jay-Chung Chen, Dennis Clark, Jorge Corredor, Glenn Cota, Yves Dandonneau, Heidi Dierssen, David Eslinger, Piotr Flatau, Alex Gilerson, Joaquim Goes, Gwo-Ching Gong, Adriana Gonzalez-Silvera, Larry Harding, Jon Hare, Chuanmin Hu, Sung-Ho Kang, Gary Kirkpatrick, Oleg Kopelevich, Sam Laney, Pierre Larouche, Zhongping Lee, Ricardo Letelier, Marlon Lewis, Steven Lohrenz, Antonio Mannino, John Marra, Chuck McClain, Christophe Menkes, Mark Miller, Ru Morrison, James Mueller, Ruben Negri, James Nelson, Norman Nelson, Mary Jane Perry, David Phinney, John Porter, Collin Roesler, David Siegel, Mike Sieracki, Jeffrey Smart, Raymond Smith, James Spinhirne, Dariusz Stramski, Rick Stumpf, Ajit Subramaniam, Chuck Trees, Ronald Zaneveld, Eric Zettler and Richard Zimmerman. For the BIOCHEM data we thank the Fisheries and Oceans Canada and the following data contributors: Diane Archambault, Hughes Benoit, Esther Bonneau, Eugene Colbourne, Alain Gagne, Yves Gagnon, Tom Hurlbut, Catherine Johnson, Pierre Joly, Maurice Levasseur, Jean-Francois Lussier, Sonia Michaud, Patrick Ouellet, Jacques Plourde, Stephane Plourde, Luc Savoie, Michael Scarratt, Philippe Schwab, Michel Starr and François Villeneuve. We also thank Laure Devine for the help in processing the BIOCHEM dataset. We thank Ralph Goericke for allowing the use of the CalCOFI and CCELTER data. CalCOFI research is supported by contributions from the participating agencies: the California State Department of Fish and Wildlife, NOAA, National Marine Fisheries Service, Southwest Fisheries Science Center, and the University of California, Integrative Oceanography Division at the Scripps Institution of Oceanography, UCSD. The authors would like to thank the Oceanic Platform of the Canary Islands (PLOCAN) and its staff for making freely available the use of this ESTOC dataset. We thank the following MAREDAT data providers: Robert Bidigare, Denise Cummings, Giacomo DiTullio, Chris Gallienne, Ralf Goericke, Patrick Holligan, David Karl, Michael Landry, Michael Lomas, Michael Lucas, Jean-Claude Marty, Walker Smith, Rick Stumpf, Emilio Suarez, Koji Suzuki, Maria Vernet and Simon Wright. We thank Oscar Schofield, Raymond Smith and Maria Vernet for allowing the use of the PALMER data. Data from the Palmer LTER data repository were supported by the Office of Polar Programs, NSF grants OPP-9011927, OPP-9632763 and OPP-0217282. We thank the Sea-DataNet Pan-European infrastructure for ocean and marine data management (<http://www.seadatanet.org>, last access: 10 July 2019).

We thank Emmanuel Boss for the TARA data. Funding for the collection and processing of the TARA dataset was provided by the NASA Ocean Biology and Biogeochemistry programme under grants NNX11AQ14G, NNX09AU43G, NNX13AE58G and NNX15AC08G to the University of Maine. Vanda Brotas received a sabbatical grant from FCT SFRH/BSAB/142981/201. We would like to honour the memory of Marcel Wernand and Tiffany Moisan, authors who contributed to the first version. This work was also supported by the European Union's Horizon 2020 Research and Innovation Programme grant agreement no. 810139: Project Portugal Twinning for Innovation and Excellence in Marine Science and Earth Observation – PORTWIMS.