



OPEN ACCESS

APPROVED BY
Frontiers Editorial Office,
Frontiers Media SA, Switzerland

*CORRESPONDENCE
Gavin A. Schmidt
✉ gavin.a.schmidt@nasa.gov

RECEIVED 21 September 2023
ACCEPTED 22 September 2023
PUBLISHED 17 October 2023

CITATION
Schmidt GA, Andrews T, Bauer SE, Durack PJ,
Loeb NG, Ramaswamy V, Arnold NP,
Bosilovich MG, Cole J, Horowitz LW,
Johnson GC, Lyman JM, Medeiros B,
Michibata T, Olonscheck D, Paynter D,
Raghuraman SP, Schulz M, Takasuka D,
Tallapragada V, Taylor PC and Ziehn T (2023)
Corrigendum: CERESMIP: a climate modeling
protocol to investigate recent trends in the
Earth's Energy Imbalance.
Front. Clim. 5:1298599.
doi: 10.3389/fclim.2023.1298599

COPYRIGHT
© 2023 Schmidt, Andrews, Bauer, Durack,
Loeb, Ramaswamy, Arnold, Bosilovich, Cole,
Horowitz, Johnson, Lyman, Medeiros,
Michibata, Olonscheck, Paynter, Raghuraman,
Schulz, Takasuka, Tallapragada, Taylor and
Ziehn. This is an open-access article distributed
under the terms of the [Creative Commons
Attribution License \(CC BY\)](#). The use,
distribution or reproduction in other forums is
permitted, provided the original author(s) and
the copyright owner(s) are credited and that
the original publication in this journal is cited, in
accordance with accepted academic practice.
No use, distribution or reproduction is
permitted which does not comply with these
terms.

Corrigendum: CERESMIP: a climate modeling protocol to investigate recent trends in the Earth's Energy Imbalance

Gavin A. Schmidt^{1*}, Timothy Andrews², Susanne E. Bauer¹, Paul J. Durack³, Norman G. Loeb⁴, V. Ramaswamy⁵, Nathan P. Arnold⁶, Michael G. Bosilovich⁶, Jason Cole⁷, Larry W. Horowitz⁵, Gregory C. Johnson⁸, John M. Lyman^{8,9}, Brian Medeiros¹⁰, Takuro Michibata¹¹, Dirk Olonscheck¹², David Paynter⁵, Shiv Priyam Raghuraman¹⁰, Michael Schulz¹³, Daisuke Takasuka^{14,15}, Vijay Tallapragada¹⁶, Patrick C. Taylor⁴ and Tilo Ziehn¹⁷

¹NASA Goddard Institute for Space Studies, New York, NY, United States, ²Met Office Hadley Centre, Exeter, United Kingdom, ³Program for Climate Model Diagnosis and Intercomparison, Lawrence Livermore National Laboratory, Livermore, CA, United States, ⁴NASA Langley Research Center, Hampton, VA, United States, ⁵NOAA Geophysical Fluid Dynamics Laboratory, Princeton, NJ, United States, ⁶NASA Goddard Space Flight Center, Greenbelt, MD, United States, ⁷Canadian Centre for Climate Modelling and Analysis (CCCma), Victoria, BC, Canada, ⁸NOAA Pacific Marine Environmental Laboratory, Seattle, WA, United States, ⁹Cooperative Institute for Marine Research (CIMAR), University of Hawaii, Honolulu, HI, United States, ¹⁰National Center for Atmospheric Research (NCAR) Mesa Laboratory, Boulder, CO, United States, ¹¹Department of Earth Science, Okayama University, Okayama, Japan, ¹²Max Planck Institute for Meteorology, Hamburg, Germany, ¹³Norwegian Meteorological Institute, Oslo, Norway, ¹⁴Atmosphere and Ocean Research Institute, The University of Tokyo, Tokyo, Japan, ¹⁵Japan Agency for Marine-Earth Science and Technology, Yokohama, Japan, ¹⁶NOAA NCEP Environmental Modeling Center, College Park, MD, United States, ¹⁷Commonwealth Scientific and Industrial Research Organisation (CSIRO), Environment, Aspendale, VIC, Australia

KEYWORDS

CMIP6, climate modeling, earth's energy balance, aerosols, cloud feedbacks, AMIP

A corrigendum on

CERESMIP: a climate modeling protocol to investigate recent trends in the Earth's Energy Imbalance

by Schmidt, G. A., Andrews, T., Bauer, S. E., Durack, P. J., Loeb, N. G., Ramaswamy, V., Arnold, N. P., Bosilovich, M. G., Cole, J., Horowitz, L. W., Johnson, G. C., Lyman, J. M., Medeiros, B., Michibata, T., Olonscheck, D., Paynter, D., Raghuraman, S. P., Schulz, M., Takasuka, D., Tallapragada, V., Taylor, P. C., and Ziehn, T. (2023). *Front. Clim.* 5:1202161. doi: 10.3389/fclim.2023.1202161

In the published article, there was an error in affiliation 17. Instead of “Commonwealth Scientific and Industrial Research Organisation (CSIRO), Environment, Aspendale, VIC, Australia”, it should be “Commonwealth Scientific and Industrial Research Organisation (CSIRO), Environment, Aspendale, VIC, Australia”. Additionally, author David Paynter had the incorrect affiliation specified, rather than 4 “NASA Langley Research Center”, it is 5 “NOAA Geophysical Fluid Dynamics Laboratory”.

In the published article, there was an error in the Funding statement. The support of the U.S. Department of Energy, Office of Science was omitted and a part of the funding statement was incorrectly included in the Acknowledgments. The correct Funding and Acknowledgments statements appear below.

Funding

Climate modeling at GISS was supported by the NASA Modeling, Analysis and Prediction program and simulations are made possible by the NASA Center for Climate Simulation (NCCS). We acknowledge the World Climate Research Programme, which, through its Working Group on Coupled Modelling, coordinates and promotes CMIP activities. TA was supported by both the Met Office Hadley Centre Climate Programme funded by BEIS, and the European Union's Horizon 2020 research and innovation programme under grant agreement 820829. The work of PD was performed under the auspices of the U.S. Department of Energy, Office of Science, Earth, and Environmental Systems Sciences Division, Regional and Global Model Analysis Program by Lawrence Livermore National Laboratory (LLNL) under Contract DE-AC52-07NA27344. LLNL Release Number: LLNL-JRNL-849403. BM acknowledges support by the U.S. Department of Energy under Award Number DE-SC0022070 and National Science Foundation (NSF) IA 1947282; the National Center for Atmospheric Research, which is a major facility sponsored by the NSF under Cooperative Agreement No. 1852977; and the National Oceanic and Atmospheric Administration under

award NA20OAR4310392. TM was supported by the Japan Society for the Promotion of Science KAKENHI (Grant JP19H05669), the Advanced Studies of Climate Change Projection (SENTAN) of the Ministry of Education, Culture, Sports, Science, and Technology (Grant JPMXD0722680395), the Environment Research and Technology Development Fund (Grant JPMEERF21S12004) of the Environmental Restoration and Conservation Agency Provided by the Ministry of Environment of Japan, and the JST FOREST Program (Grant JPMJFR206Y).

Acknowledgments

We thank Leo Donner, Vaishali Naik, Fabien Paulot, and two reviewers for comments on the draft paper.

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

Publisher's note

All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article, or claim that may be made by its manufacturer, is not guaranteed or endorsed by the publisher.