



Corrigendum to “The influence of the ocean circulation state on ocean carbon storage and CO₂ drawdown potential in an Earth system model” published in Biogeosciences, 15, 1367–1393, 2018

Malin Ödalen¹, Jonas Nycander¹, Kevin I. C. Oliver², Laurent Brodeau^{1,3}, and Andy Ridgwell^{4,5}

¹Department of Meteorology, Bolin Centre for Climate Research, Stockholm University, 106 91 Stockholm, Sweden

²National Oceanography Centre, Southampton, University of Southampton, Southampton SO14 3ZH, UK

³Barcelona Supercomputer Center, Barcelona, Spain

⁴School of Geographical Sciences, Bristol University, Bristol BS8 1SS, UK

⁵Department of Earth Sciences, University of California-Riverside, Riverside, CA 92521, USA

Correspondence: Malin Ödalen (malin.odalen@misu.su.se)

Published: 23 January 2019

In the version of this article initially published, there were errors in Table 1. First, the specification of the adjustment of parameters (found within parenthesis) for SE3 and SE4 had been switched. AD×2 corresponds to doubled atmospheric heat diffusivity and AD/2 to halved. In the same way, the adjustment of parameters for SE7 and SE8 had been switched. Thus, ID×2 corresponds to doubled ocean isopycnal diffusivity and ID/2 to halved. Finally, the abbreviated description of SE12 was incorrect and the adjustment of the parameters within parenthesis was switched. The correct abbreviation is DD/2_ID×2, corresponding to halved ocean diapycnal diffusivity and doubled ocean isopycnal diffusivity. This incorrect abbreviation from Table 1 was not used in the text or tables in the rest of the article (see, e.g., Table 3). The corrected version of Table 1 is provided in this document.

In addition, after publication of the article, we discovered an inconsistency in the configuration files for SE2. Therefore, this experiment should not be included in a detailed analysis of the results in the paper. The inconsistency does not affect any of the conclusions of the paper.

These errors were found with the help of Carlye D. Peterson (University of California, Riverside, Dept. of Earth Sciences).

Table 1. List of sensitivity experiment equilibrium states SE1–SE12, abbreviated ensemble member description, and specification of which one or two physical characteristics have been altered compared to the control PIES278. The nature of the change is specified within parenthesis.

Ensemble member	Abbreviated description	Adjusted parameter (adjustment)
SE1	WS×2	Wind stress intensity (doubled)
SE2	WS/2	Wind stress intensity (halved)
SE3	AD×2	Atmospheric heat diffusivity (doubled)
SE4	AD/2	Atmospheric heat diffusivity (halved)
SE5	DD×2	Ocean diapycnal diffusivity (doubled)
SE6	DD/2	Ocean diapycnal diffusivity (halved)
SE7	ID×2	Ocean isopycnal diffusivity (doubled)
SE8	ID/2	Ocean isopycnal diffusivity (halved)
SE9	WS/2_DD/2	Wind stress intensity (halved) and ocean diapycnal diffusivity (halved)
SE10	AD×2_DD×2	Atmospheric heat diffusivity (doubled) and ocean diapycnal diffusivity (doubled)
SE11	DD×2_ID×2	Ocean diapycnal diffusivity (doubled), and isopycnal diffusivity (doubled)
SE12	DD/2_ID×2	Ocean diapycnal diffusivity (halved), and isopycnal diffusivity (doubled)