

CORRIGENDUM

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The simulations with economic uncertainty discussed in section 4b of Sokolov et al. (2009) were, by mistake, carried out with the mean values of the input climate parameters instead of the intended median values. While this mistake did not affect the resulting distributions of atmospheric CO₂ and radiative forcing, it led to an upward shift in the distributions for the changes in surface air temperature (SAT) and sea level rise. Correct distributions are shown in Table 1 and in the revised version of Fig. 11. The ratios of the percentiles to the mean shown in Table 2 of Sokolov et al. (2009) did not change.

REFERENCE

Sokolov, A., and Coauthors, 2009: Probabilistic forecast for twenty-first-century climate based on uncertainties in emissions (without policy) and climate parameters. *J. Climate*, **22**, 5175–5204.

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TABLE 1. Percentiles for distributions of surface warming and sea level rise for the last decade of the twenty-first century in the ensembles with full, climate, and emission uncertainties.

	5%	16.7%	50%	83.3%	95%
SAT					
Full uncertainty	3.50	4.12	5.12	6.42	7.37
Emission uncertainty	3.95	4.42	5.16	6.04	6.56
Climate uncertainty	3.81	4.22	5.12	6.04	6.98
Sea level rise					
Full uncertainty	29	35	44	55	63
Emission uncertainty	36	39	44	49	52
Climate uncertainty	29	35	43	53	60

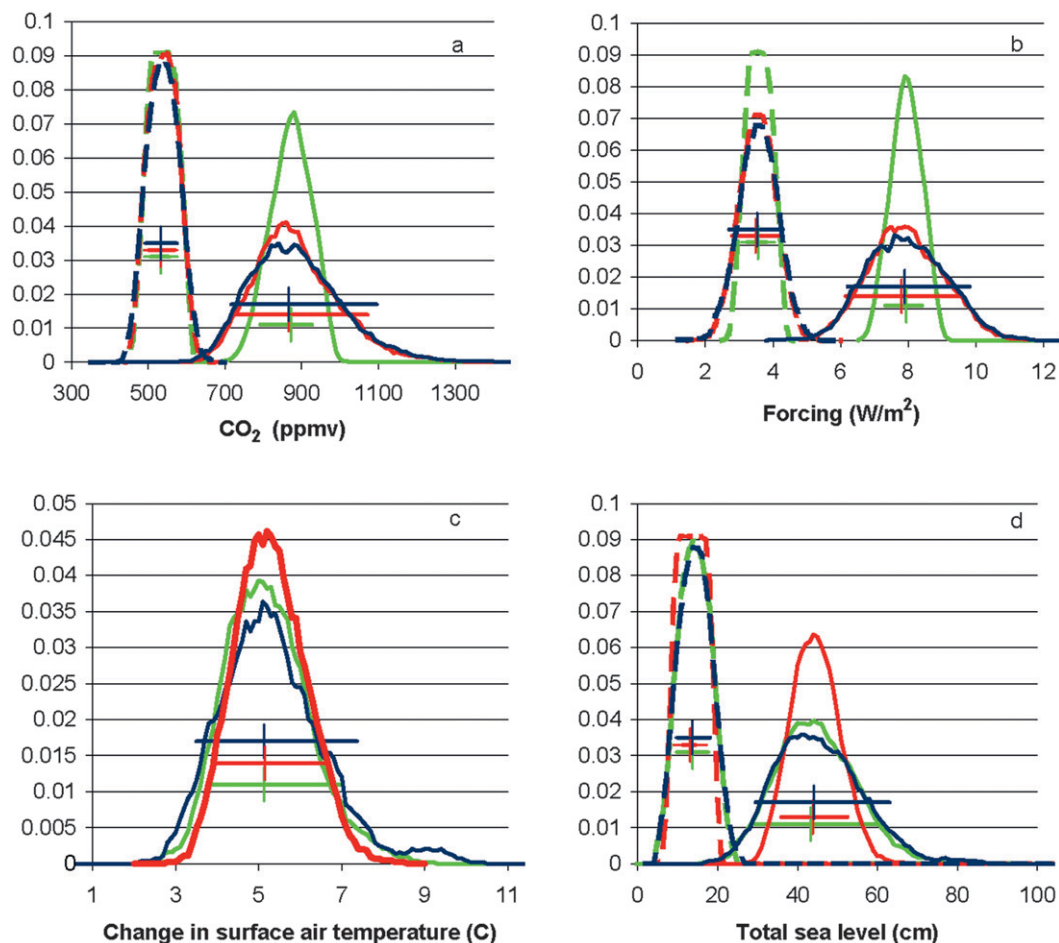


FIG. 11. Frequency distributions for (a) atmospheric CO₂ concentrations, (b) radiative forcing due to greenhouse gases (GHGs) and sulfate aerosol, (c) surface air temperature, and (d) total sea level rise in simulations with full uncertainty (blue), climate uncertainty (green), and emissions uncertainty (red) averaged over 2041–50 (dashed lines) and 2091–2100 (solid lines).