Corrigendum for Held and Soden (2006)

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There are some errors in the computations of the poleward energy and water transports in Held and Soden (2006) which affect Figs. 5, 10, and 11. The revised figures are shown below. A scaling error resulted in all fluxes in these figures being multiplied erroneously by $\pi/2$. The ordinate in these figures needs to be rescaled to account for this error, which does not change the figures otherwise and does not affect the discussion of these figures in the text. A more significant programming error distorted Figs. 10 and 11. In the original, the increase in poleward latent heat flux was, surprisingly, uncompensated by any change in the poleward sensible heat flux in the A1B transient scenario. In the corrected versions there is some compensation due to a decrease in the sensible flux, but not as great as that in the equilibrated slab ocean models, more in line with expectations. The discussion of this compensation is the only aspect of the text of the paper that is affected by these corrections. The authors of the original paper apologize for any inconvenience these errors have caused.

REFERENCES

Held, I. M. and B. J. Soden, 2006: Robust responses of the hydrological cycle to global warming. *Journal of Climate*, **19 (21)**, 5686–5699.

List of Figures

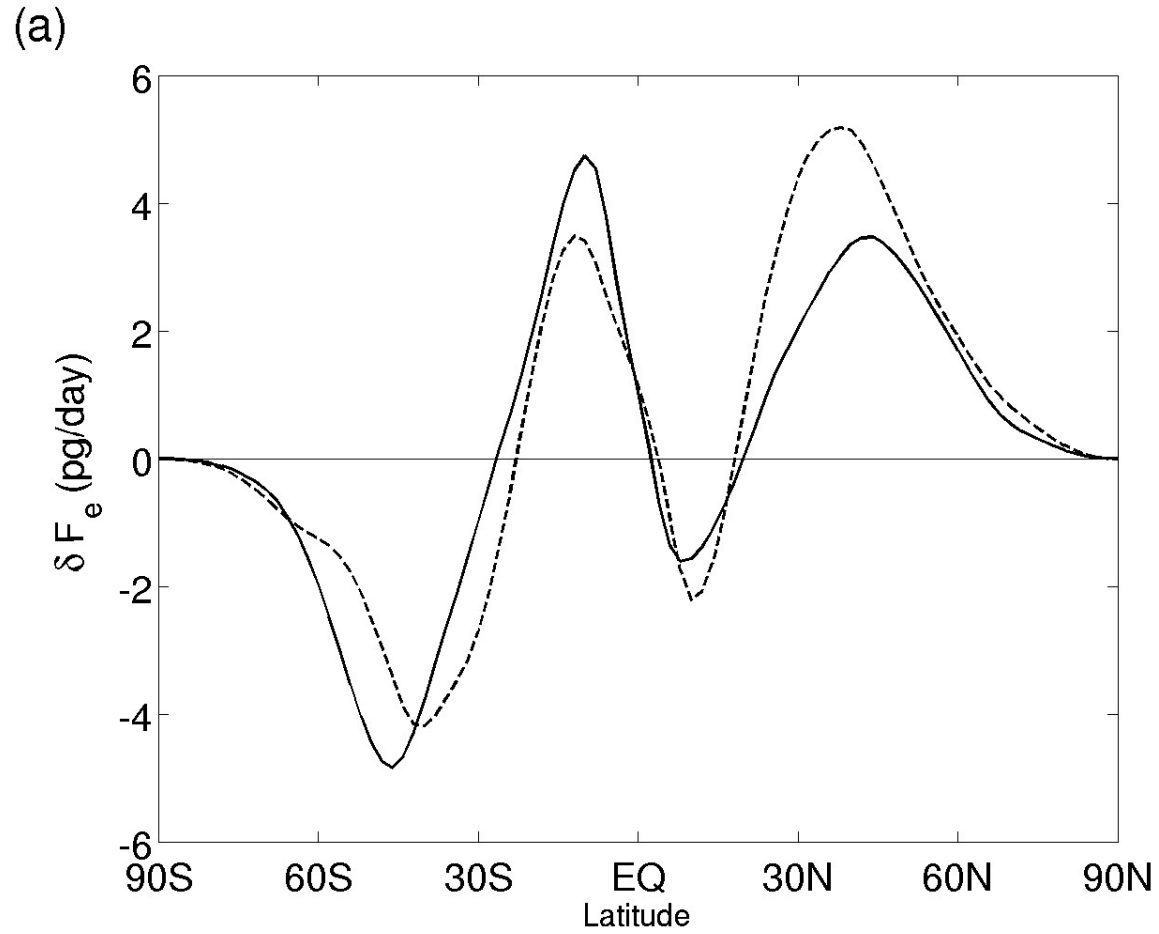

FIG. 1. Revised Figure 5 (a). The change in zonal-mean northward moisture transport, F, from the ensemble mean of PCMDI AR4 models under SRES A1B scenario (solid) and the corresponding thermodynamic contribution (dashed) predicted from (2) in the paper.

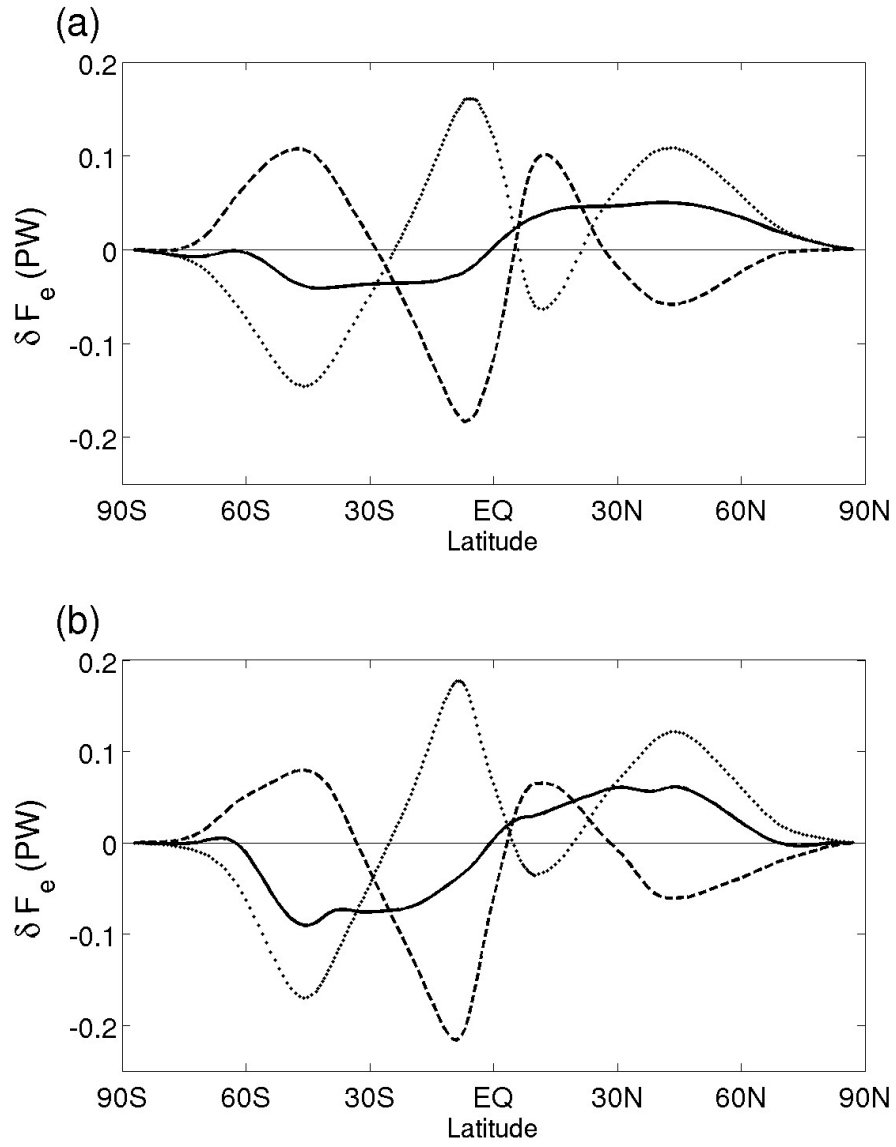

FIG. 2. Revised Figure 10. The change in zonal-mean northward atmospheric energy transports (a) from $2 \times CO2$ slab equilibrium simulations and (b) from SRES A1B transient simulations. Results are shown for the total atmospheric energy transport (solid), the sensible energy transport (dashed), and the latent energy transport (dotted).

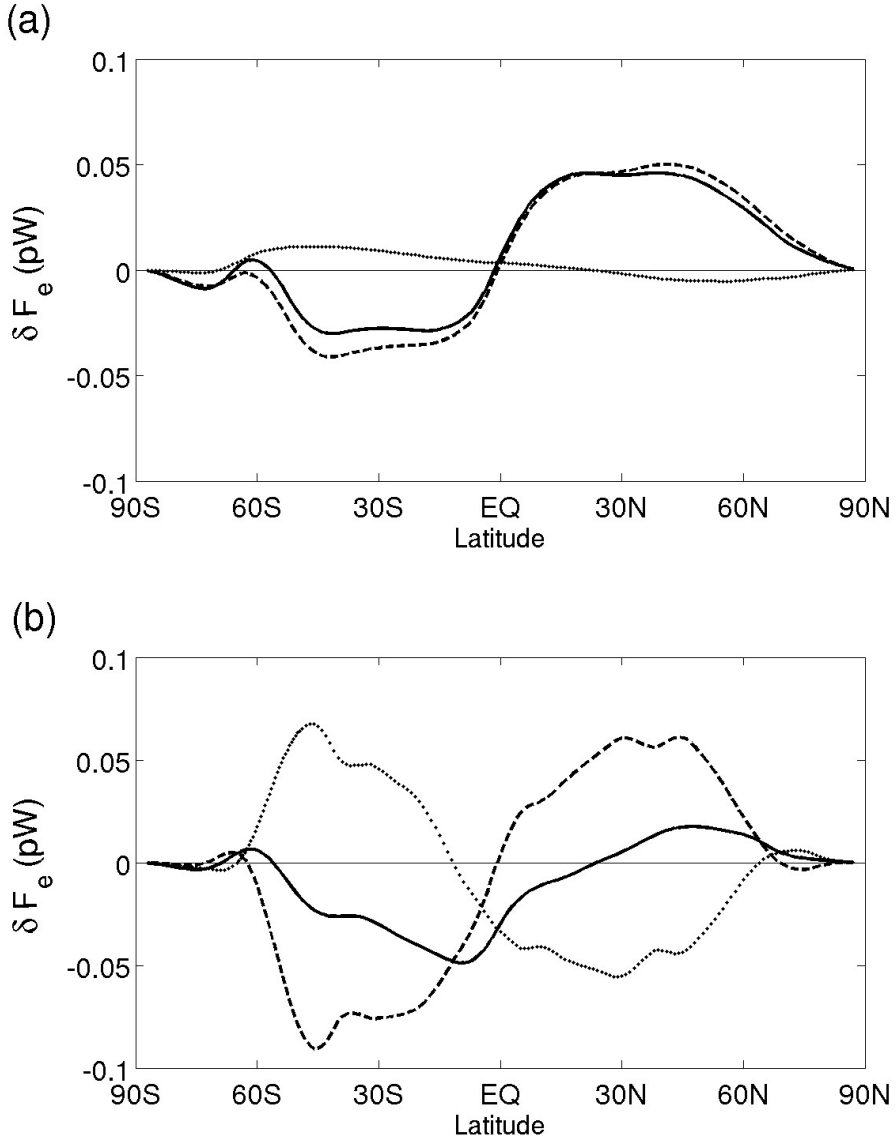

FIG. 3. Revised Figure 11. The change in zonal-mean energy transports for the atmospheric (dashed), ocean (dotted), and atmosphere + ocean (solid) from (a) the $2 \times CO2$ slab equilibrium simulations and (b) SRES A1B simulations. The oceanic contribution includes the differential heat storage, as described in the paper.