

Corrigendum to

“Increase of upper troposphere/lower stratosphere wave baroclinicity during the second half of the 20th century” published in Atmos. Chem. Phys., 9, 9143–9153, 2009

J. M. Castanheira¹, J. A. Añel^{1,2}, C. A. F. Marques¹, J. C. Antuña³, M. L. R. Liberato^{4,5}, L. de la Torre^{1,2}, and L. Gimeno²

¹CESAM, Department of Physics, University of Aveiro, Aveiro, Portugal

²EPhysLab, Faculty of Sciences of Ourense, University of Vigo, Ourense, Spain

³Estación Lidar de Camagüey, Camagüey, Cuba

⁴Department of Physics, University of Trás-os-Montes e Alto Douro, Vila Real, Portugal

⁵CGUL, IDL, University of Lisbon, Lisbon, Portugal

The energy scales in the top panel of Figs. 3 and 4, published in the original paper, are wrong. The error results from the fact that the cool season (November–April) mean energies appear multiplied by the number of days in the season (181). Because only relative energy trends were computed and discussed, the error has no consequences on the results and conclusions presented in the paper. The figures with corrected energy scales are shown on the following page.



Correspondence to: J. M. Castanheira
(jcast@ua.pt)

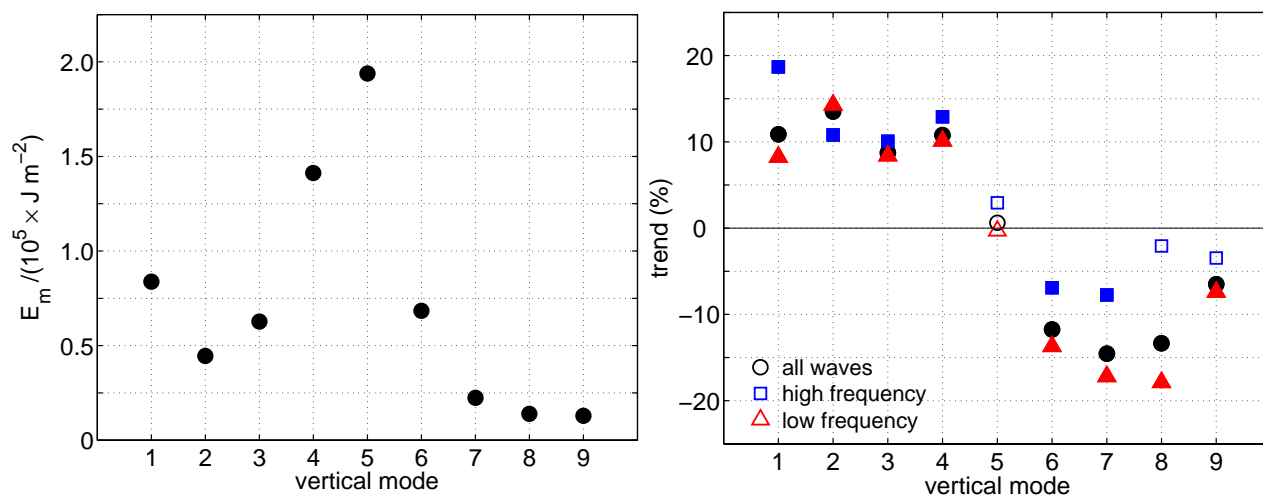


Fig. 3. Left: Vertical spectrum of the mean energy (E_m) associated with the baroclinic Rossby waves of wave numbers $s = 1, \dots, 10$. Right: Linear trends of the November–April mean energy associated with the Rossby waves of wave numbers $s = 1, \dots, 10$, for the first 9 baroclinic modes. The trends are given as percentages of the respective mean energies in the period of 1958–2006. Solid symbols indicate significant trends at the statistical level of 99% ($p = 0.01$).

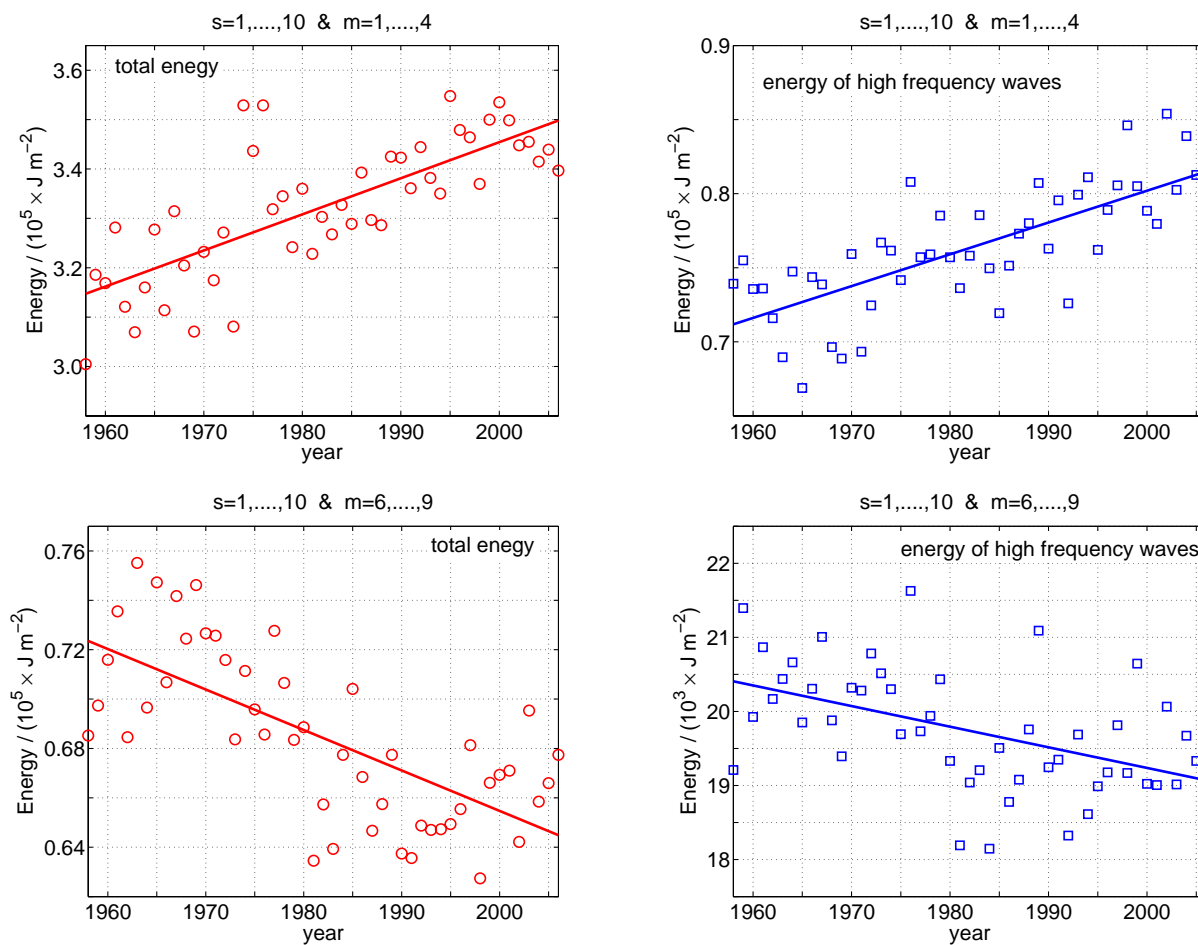


Fig. 4. November–April mean energy associated with baroclinic Rossby waves of wave numbers $s = 1, \dots, 10$: (upper row) sum of the energy of the deeper baroclinic modes ($m = 1, \dots, 4$), and (lower row) sum of the energy of the shallower baroclinic modes $m = 6, \dots, 9$.