

CORRECTION

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# Correction: Wind stress curl as a driving force of annual waves in the upper ocean for interpreting energetics at all latitudes

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**Correction to: Progress in Earth and Planetary Science (2024) 11:29**  
<https://doi.org/10.1186/s40645-024-00630-1>

After publication of the article [1], it was brought to our attention that there are some equations and reference need to be corrected:

In Eq. 9a, it should be " $u^2 + v^2$ " under the root symbol, the correct Eq. 9a is:

$$\sqrt{u^2 + v^2} \sqrt{\tau_{wind}^x{}^2 + \tau_{wind}^y{}^2}$$

In Eq. 15, the integration symbol should be 3 times taller, the correct Eq. 15 is:

$$\tau_{wind}^x U^{ekm} + \tau_{wind}^y V^{ekm} = \rho_0 \int_{-\infty}^0 A \left( U_z^{ekm2} + V_z^{ekm2} \right) dz$$

In Eqs. 16a, 16b, 16c, 16d, the angle brackets which indicates a vector in the horizontal direction were not added, the correct Eq. 16a is:

$$\langle H_1 \rho_0 up, H_1 \rho_0 vp \rangle$$

Equation 16b:

$$\left\langle H_1 \rho_0 \left[ up + \left( \frac{p^2}{2f} \right)_y \right], H_1 \rho_0 \left[ vp - \left( \frac{p^2}{2f} \right)_x \right] \right\rangle$$

Equation 16c:

$$\left\langle H_1 \rho_0 \left[ up + \left( \frac{p\varphi}{2} \right)_y \right], H_1 \rho_0 \left[ vp - \left( \frac{p\varphi}{2} \right)_x \right] \right\rangle$$

Equation 16d:

$$\left\langle H_1 \rho_0 \left[ up + \left( \frac{p\varphi}{2} \right)_y \right] - \varphi \tau_{wind}^y, H_1 \rho_0 \left[ vp - \left( \frac{p\varphi}{2} \right)_x \right] + \varphi \tau_{wind}^x \right\rangle$$

In the first reference, the name 'Swadhin KB, Toshio Y' should be replaced by 'Behera SK, Yamagata T', the correct reference is:

Aiki H, Zhai X, Greatbatch RJ (2016) Energetics of the global ocean: the role of mesoscale eddies. In: Behera SK, Yamagata T (eds) Indo-Pacific climate variability and predictability. World scientific series on Asia–Pacific weather and climate, vol 7. World Scientific, Singapore, pp. 109–134. [https://doi.org/10.1142/97898.14696.623\\_0004](https://doi.org/10.1142/97898.14696.623_0004).

The original article can be found online at <https://doi.org/10.1186/s40645-024-00630-1>.

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Besides, some minor grammar related errors are also corrected. The height of equation 6b and equation 6c are adjusted.

The original paper has been updated.

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