Corrigendum: Latitudinal libration driven flows in triaxial ellipsoids [J. fluid mech. 771, 193-228 (2015)]

Other Journal Item

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CORRIGENDUM

Latitudinal libration driven flows in triaxial ellipsoids – CORRIGENDUM

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Following comments of readers of our paper on latitudinal libration driven flows in triaxial ellipsoids (Vantieghem, Cébron & Noir 2015), we would like to append a correction that does not impact in any way the results of our study. In figure 2(*a*) of the original manuscript, the bulge of the Moon points towards the centre of the Earth when the rotation and orbital rate are equal. However, it was pointed out that the bulge is pointing in this direction at the apogee and perigee and not at the equinox. The correct orientation of the satellite during various stages of its orbit is shown in figure 1 below (which replaces figure 2(*a*) of the original manuscript).
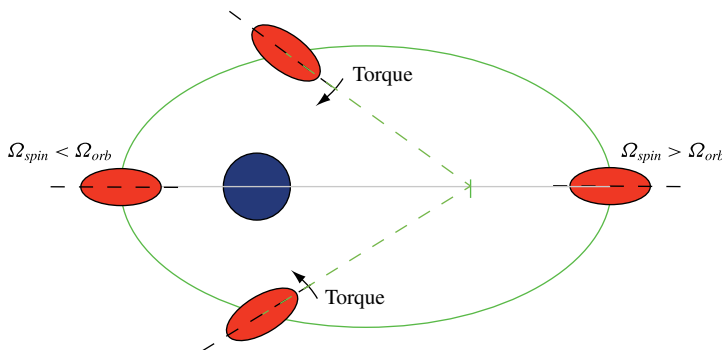

FIGURE 1. (Colour online) Mechanism giving rise to librations in longitude. Shown are the host body, its satellite at different positions along its orbital trajectory and the gravitational torques resulting from variations in the orbital speed Ω_{orb}.

Acknowledgement

REFERENCE

VANTIEGHEM, S., CÉBRON, D. & NOIR, J. 2015 Latitudinal libration driven flows in triaxial ellipsoids. *J. Fluid Mech.* **771**, 193–228.