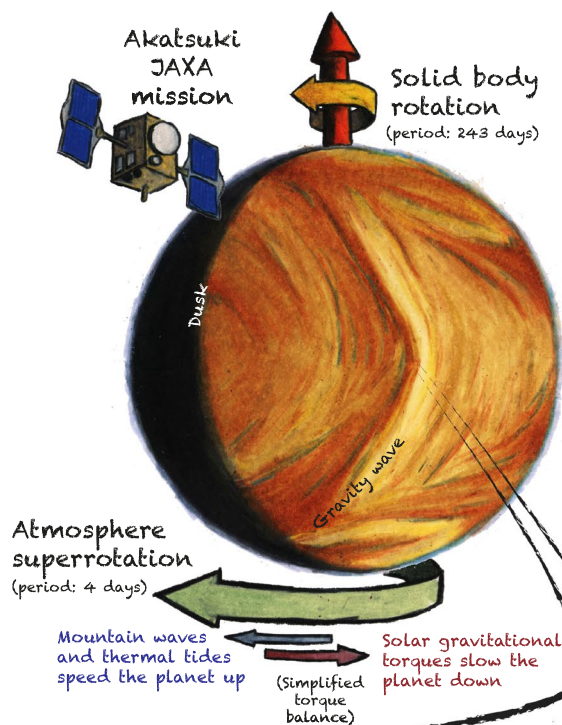


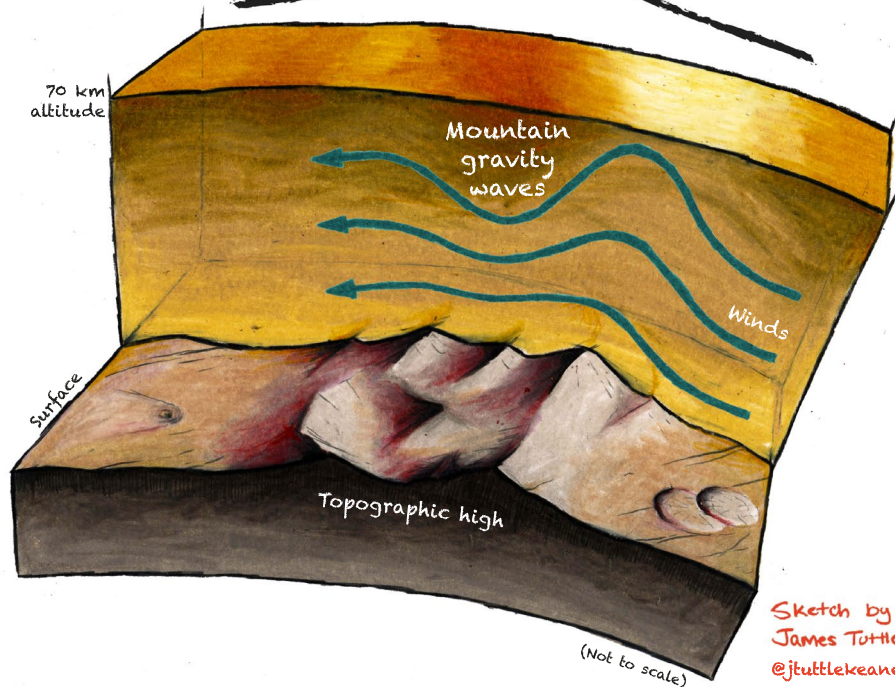
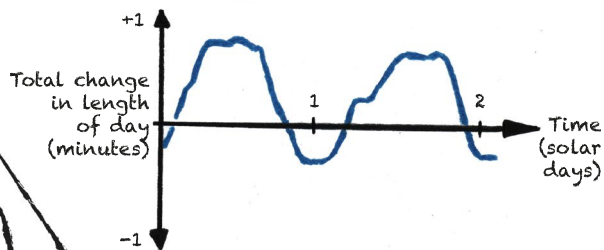
SKETCH-UP

A changeable day in the life of Venus

Nat. Geosci. <https://doi.org/10.1038/s41561-018-0157-x> (2018)



Navarro and colleagues present simulations of the Venusian atmosphere that show how gravity waves launched above mountains in the afternoon can produce the global-scale, bow-shaped features observed by the Akatsuki spacecraft. These gravity waves can torque the planet, causing its rotation rate to change over the course of a Venusian day. The effect is small, but it may help to explain the different estimates of the length of day measured by past spacecraft.



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(Not to scale)

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