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Simulator 3D (positions of the planets)

Revolution of the planets from all angles

Automatic translation

Category: Sun

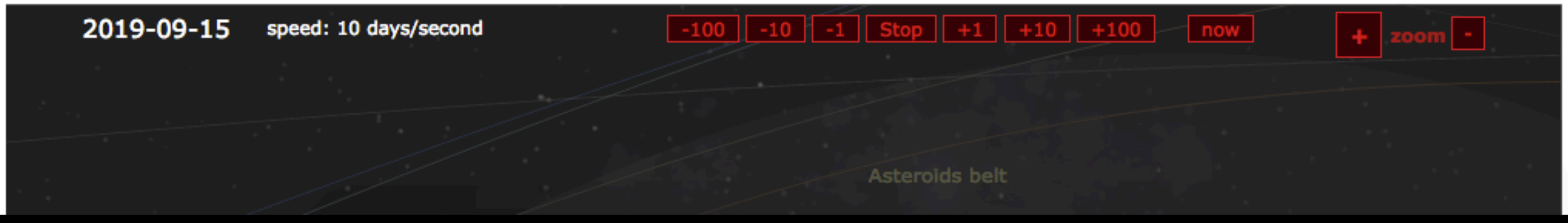
Updated June 01, 2013

Using the **interactive simulator** Astronoo:
With this simulator you will see the revolution of the planets from all angles and their alignment.
Initially it is "above" the solar system (this is a view from the north celestial pole) and the passage of time is set to 10 days per second, which allows you to see the turn planets in their orbits, but you can go into the future or go back in the past using the buttons above.
You can zoom in (upper right) inside the solar system while leaving the planets rotate.

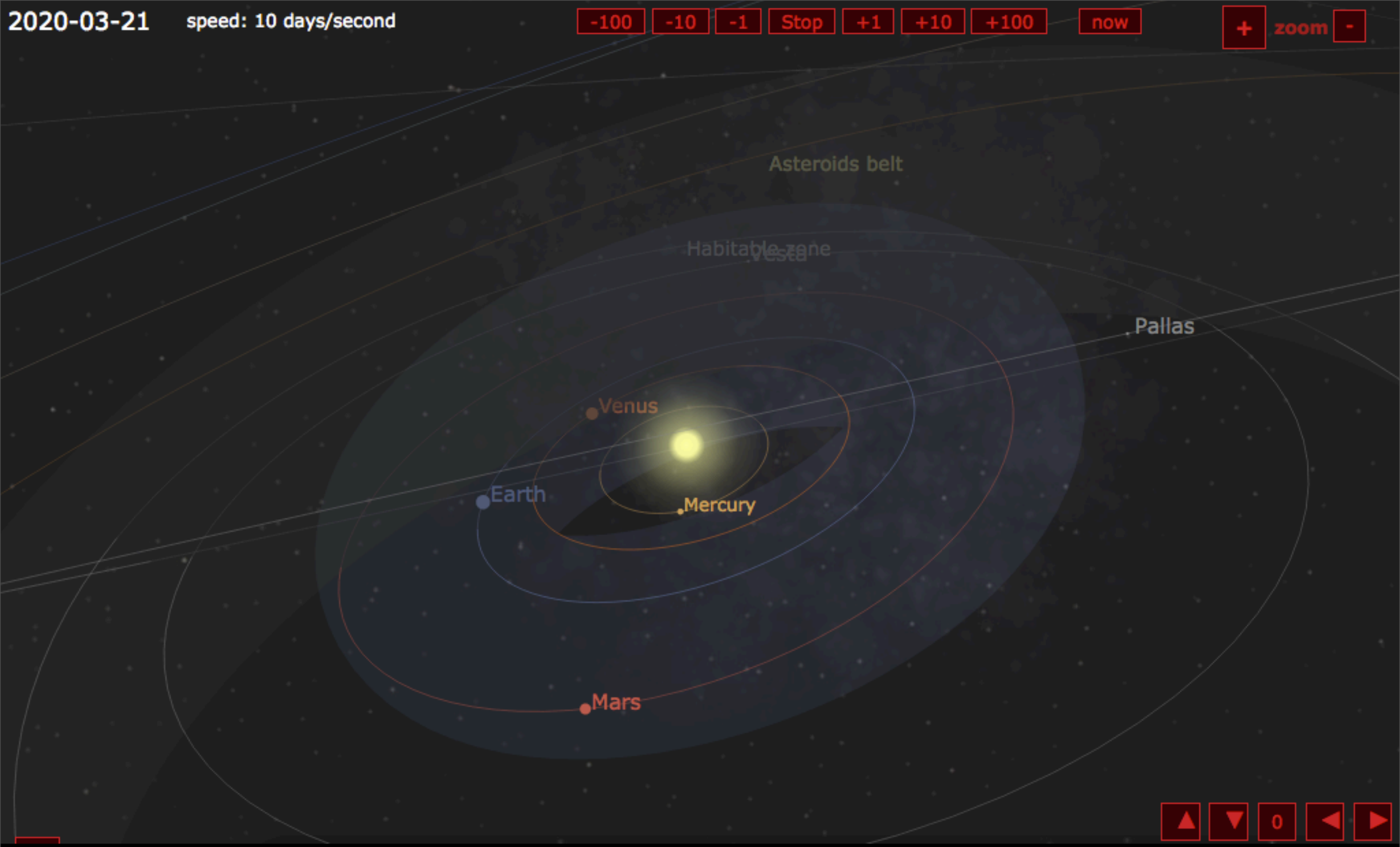
With the arrows at the bottom right you can rotate the orbital planes of the planets and if you want more or less information, see more or less the orbits on the simulator screen, use the buttons at the bottom left.
* You will note that the planets have different speeds, they respect the law of areas of Johannes Kepler (1571-1630). Approaching the perihelion (closest point to the Sun), the planets speed, at the approach of the aphelion (furthest point from the Sun), they slow down. To view distances (million km), click the aphelior. / perihelion.

Also play with the mouse:
Clicking in the simulator gives you a hand to redirect the solar system and obtain the desired view, the planets continue to orbit the Sun.
Click again to freeze and zoom the view.
* Warning, the planets are close to you and they are big.

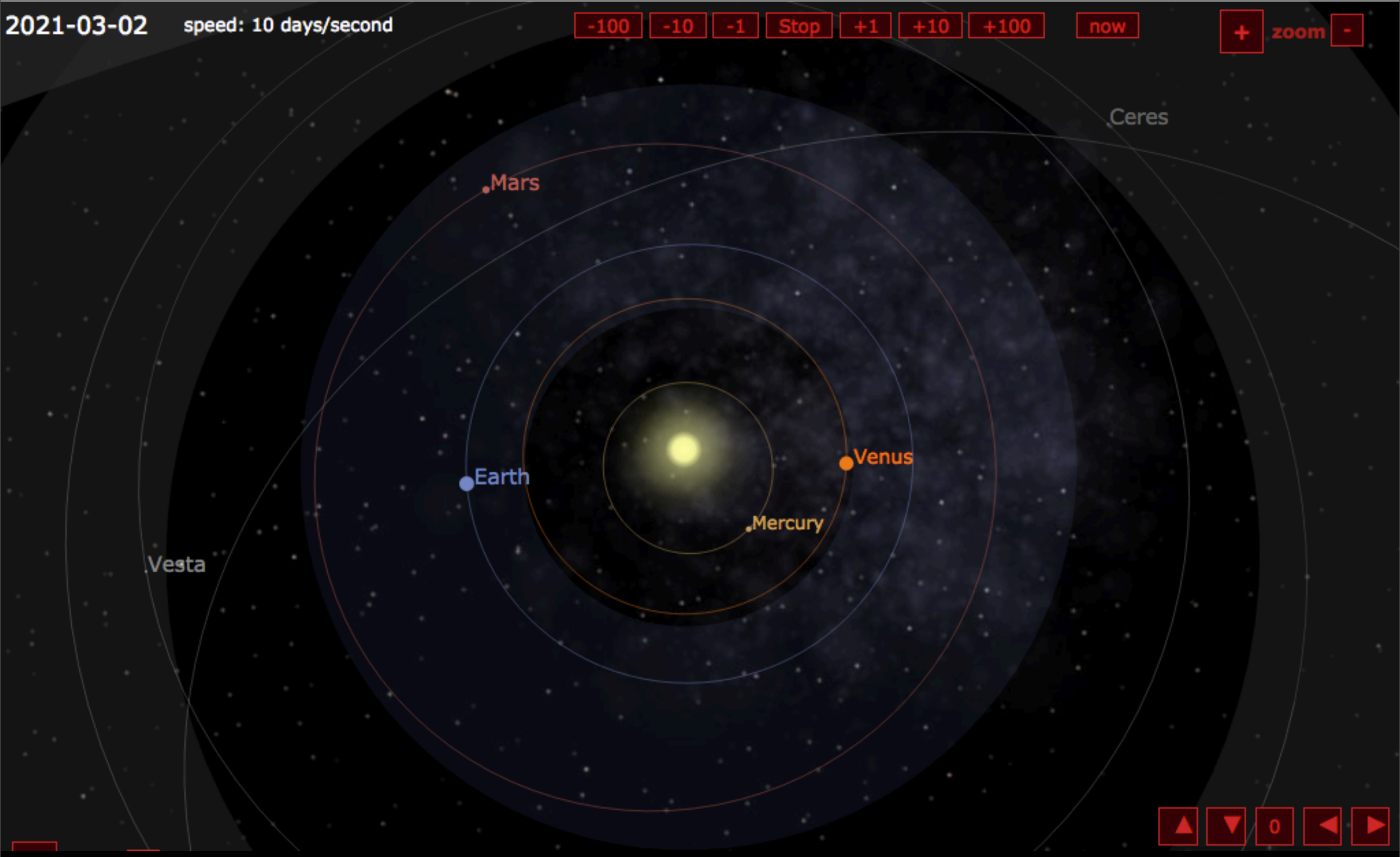
Have a nice trip!



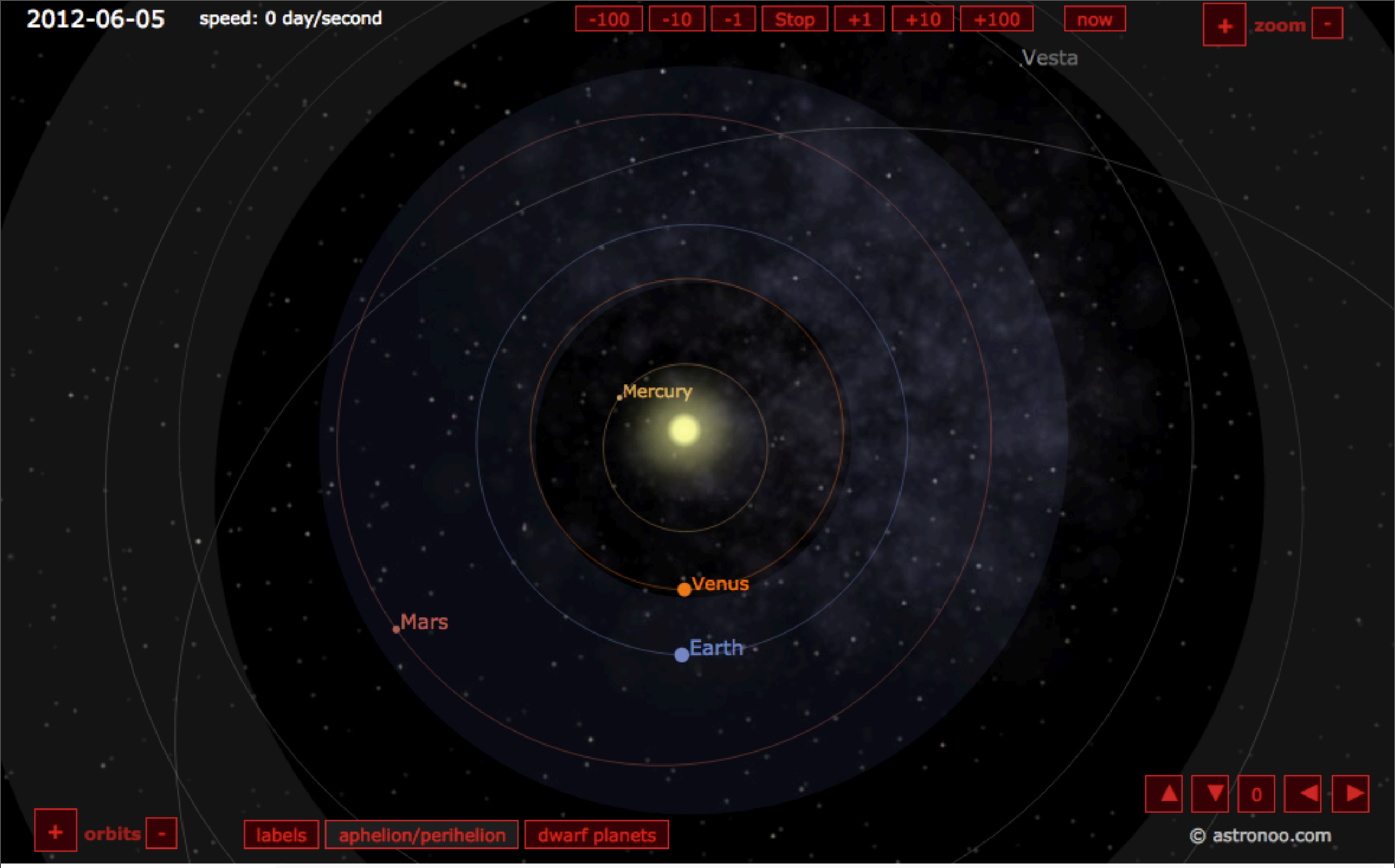
When you first bring up the website, it looks like this. You are interested in the orbit simulator below the writing.



When you bring up the website, the simulator gives a view which looks like this. You are interested in a view that looks straight down from the NCP.



You are interested in a view that looks straight down from the NCP.



To go backward in time, click on -100, -10, or -1. I did so until I reached the above configuation, for the 2012 transit of Venus.