

Tetha 1 launcher.

1) the addon :

Tetha 1 is the first launcher of the fictional space company « Sanders Aerospace ». It can launch 16 Tonnes satellites and manned vessels in earth low orbit. But it's also possible to send objects in geostationary and lunar orbit. The launch base is on Baker island.



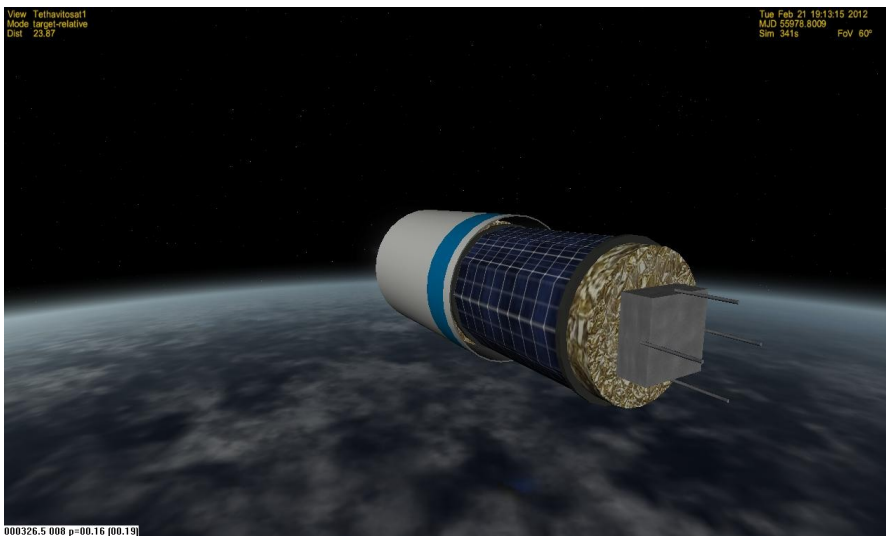
2) Launcher parts :

First stage :



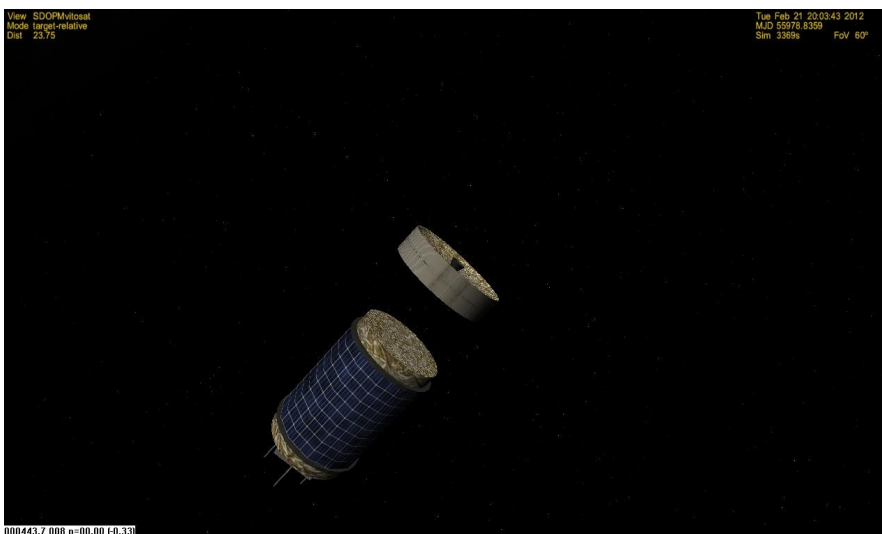
It's the first ignited stage during the launch. It have 3 engine with a power of 2 800 000 N available during 4 minutes et 21 seconds.

The second stage :



The second stage is burned after the first stage release. It has 1 engine of 730 000 N available during 2 minutes.

OPM (Orbital Propulsion Module) :



The OPM is used for the final orbit insertion after the second stage release. With its single 200 000 N engine and its 5000 kg of fuel it can send a satellite of 12 tonnes at 2000 km of altitude. It's a spacecraft3 vessel.

3) Addons needed :

Spacecraft3, Multistage2 and stage.dll <http://users.swing.be/vinka/>

Baker & Howland Islands <http://www.orbithangar.com/searchid.php?ID=5533>

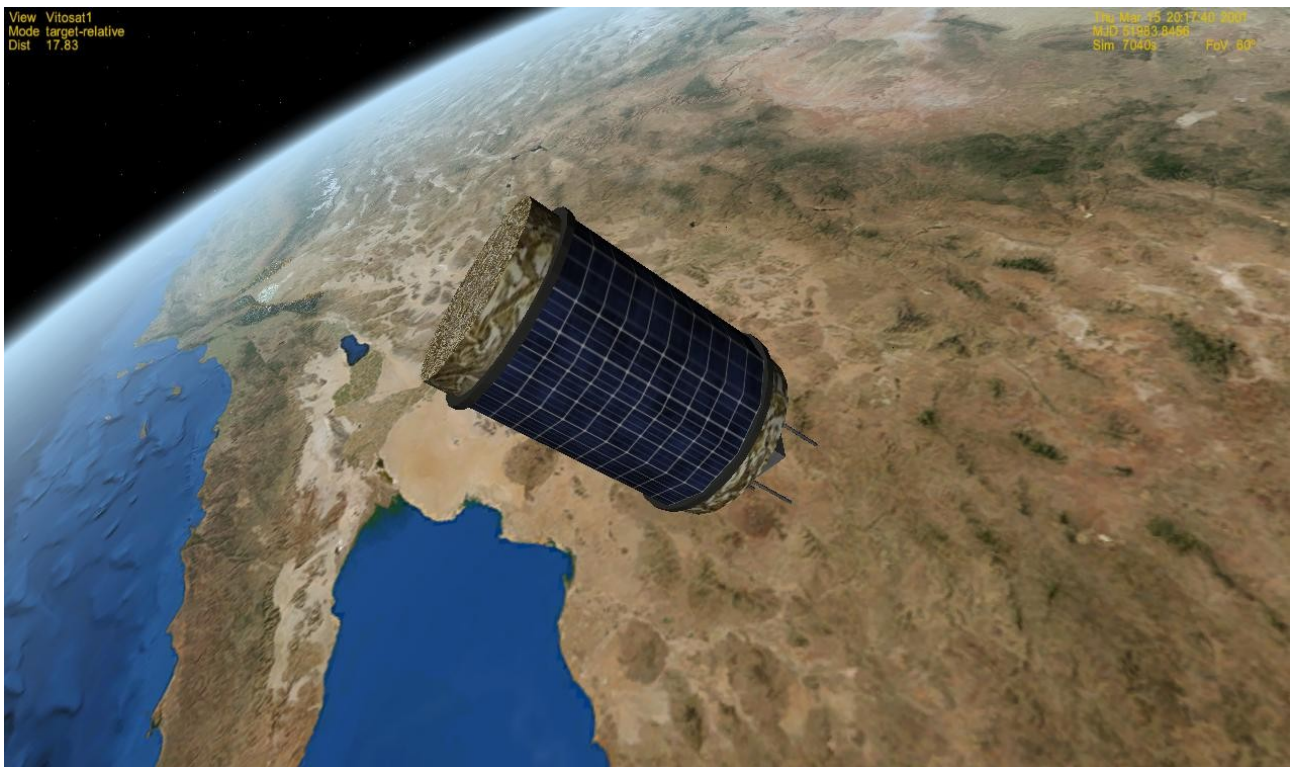
4) Acknowledgments :

Martin Schweiger for orbiter.

The French forum for their advice: <http://orbiter.dansteph.com/forum/>

5) Bonus: The observation satellite Vitosat1 :

it's just to test the rocket. I put this satellite on a orbit of 1000 km after you can send the OPM in the Earth atmosphere.



Spaaaaaaaaace !!!!!