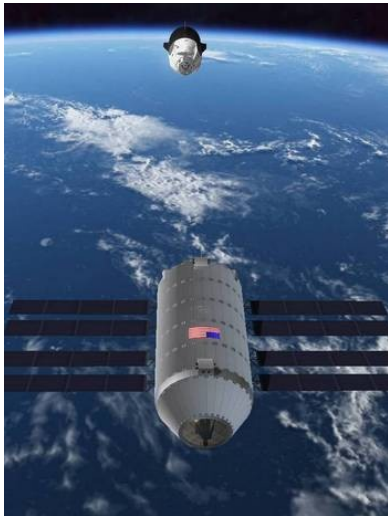


# VAST Haven-1 Space Station



## VAST Haven-1

This is a model of the VAST Haven-1 space station.

Size 10.1 m long x 4.4 m diameter

Dry mass 13 ton

Fuel mass 1 ton

Scenarios require the [Crew Dragon](#) and [Falcon9](#) addons to be installed.

## Keys

[E] Change Camera view between forward and backward looking.

[C] Show the Crew, press multiple for different scenes

[S] Extend / retract the solar panels (just a status change)

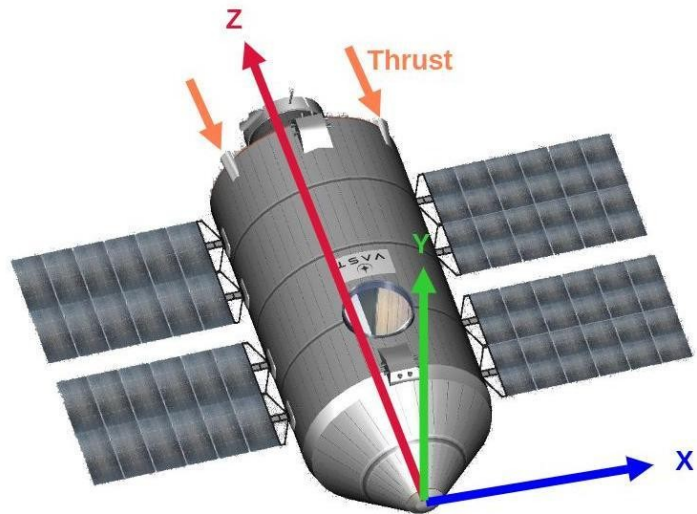
No virtual cockpit. If stuck in strange internal view, hit the [E] key to reset the view.

## Notes:

Due to the RCS thruster orientation the default autopilots do not work well. They are ok for attitude keeping. But major changes (pro-/ retrograde, orbit normal) shall be initialled manually and the autopilots shall only be used for fine-tuning.

Scenarios	Description
Haven-1 CrewDragon Docking	Crew Dragon preparing to dock to the Haven-1 Space Station. It is on station 50 m from the Haven-1 Docking Port. The Crew Dragon addon is required for this scenario.
Haven-1 CrewDragon launch on a Falcon9	Launch a Crew Dragon to the Haven-1 Space Station from LC39A. Target orbit is 230 km x 420 km, 51.65deg inclination. The Crew Dragon and Falcon9 addons are required for this scenario.
Haven-1 in Orbit	The Haven-1 station in orbit, free flying. The station has basic maneuvering capabilities. It can control its attitude and orbit.
Haven-1 launch on a Falcon9	Launch the VAST Haven-1 Space Station from LC39A. Target orbit is 230 km x 420 km, 51.65 deg inclination. The Falcon9 addon is required for this scenario.

## Axis Orientation



Forward (+Z) is towards the docking port. Main engines thrust in -Z direction.  
Note that the launch orientation on the Falcon9 is upside down.

## Machete and the Space Babes

Switch through the scenes with [C]

