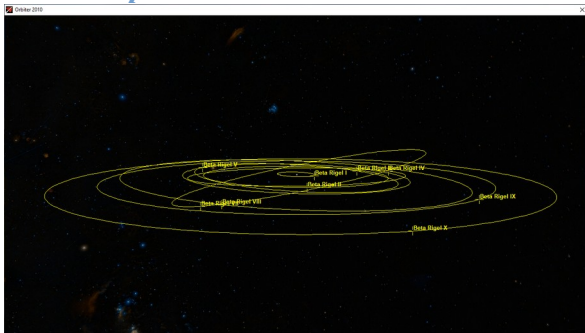


# STPSP: BETA RIGEL

## Introduction

STPSP: Beta Rigel is an auxiliary entry in the *Star Trek* Planetary Systems Project (STPSP). This is an attempt to accurately portray the major planetary systems in the *Star Trek* universe (with some conjecture, mostly in the form of some ideas of mine.) A fan of the series almost since birth, I wanted to recreate the planetary systems so that it would be possible to create scenarios in them. The Beta Rigel system is home to ten planets, three moons, and one surface base. The planetary arrangement is based on a book called the *Star Trek Star Charts*. The one surface base requires the STPSP: Andor add-on for meshes. You will require the Immense Starbase, *Danube*-class runabout, Spacedock 2010, Drydock, *Nemesis*-style Drydock, NX-01 *Enterprise*, *Galaxy*-class starship, *Nebula*-class starship, *Ambassador*-class starship, *Steamrunner*-class starship, *Saber*-class starship, and *Akira*-class starship add-ons for the scenarios. As for this system, I promise that you won't be disappointed. Enjoy!

## The System



System viewed from 800 million KM

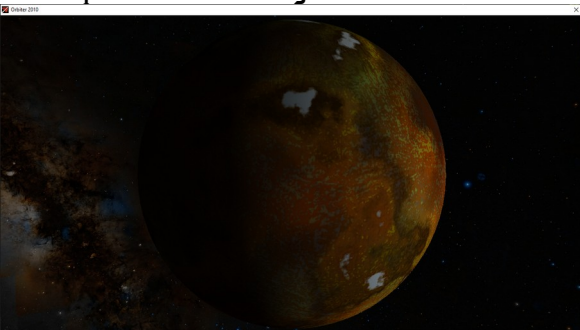
Primary Star: Beta Rigel

Class: A5V

Diameter: 907,200 KM

Mass: 1 solar mass

First planet: Beta Rigel I



Class: B

Moons: 0

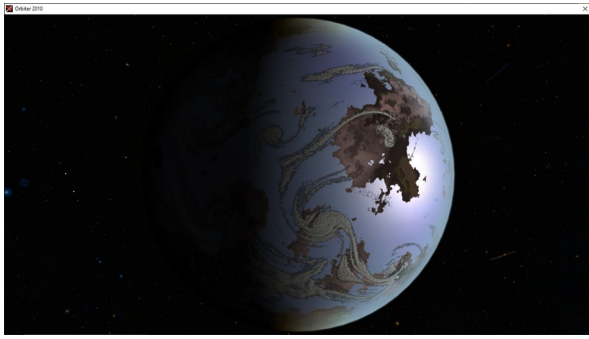
Diameter: 4,131 KM

Distance from parent star: 44 million KM (0.29 AUs)

Rotation period: 18 hours, 58 minutes

Orbital period: 58 days

### Second planet: Beta Rigel II



Class: M

Moons: 1

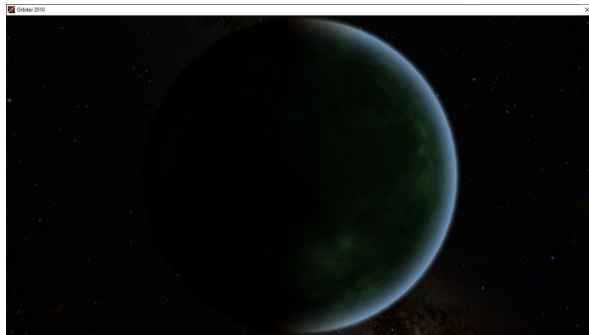
Diameter: 12,102 KM

Distance from parent star: 208 million KM (1.39 AUs)

Rotation period: 26 hours, 12 minutes

Orbital period: 601 days

### Third planet: Beta Rigel III



Class: F

Moons: 0

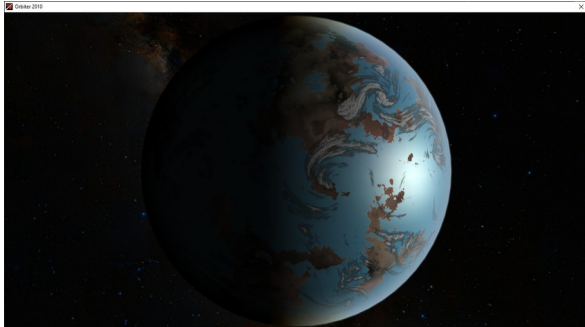
Diameter: 6,780 KM

Distance from parent star: 228 million KM (1.52 AUs)

Rotation period: 25 hours, 24 minutes

Orbital period: 687 days

### Fourth planet: Beta Rigel IV



Class: M

Moons: 1

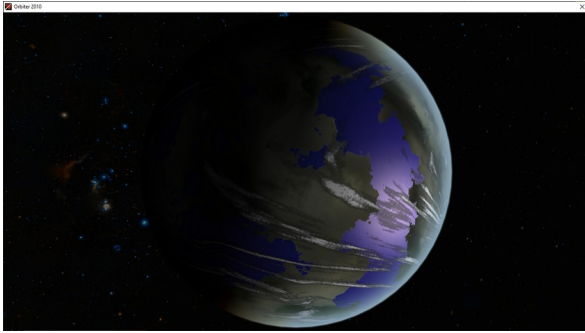
Diameter: 12,442 KM

Distance from parent star: 242 million KM (1.61 AUs)

Rotation period: 21 hours, 48 minutes

Orbital period: 752 days

#### Fifth planet: Beta Rigel V



Class: M

Moons: 0

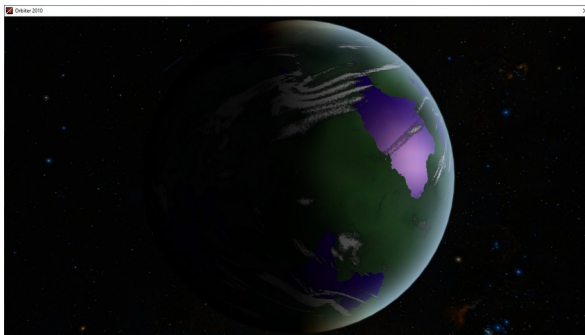
Diameter: 11,816 KM

Distance from parent star: 252 million KM (1.68 AUs)

Rotation period: 27 hours, 48 minutes

Orbital period: 798 days

#### Sixth planet: Beta Rigel VI



Class: M

Moons: 0

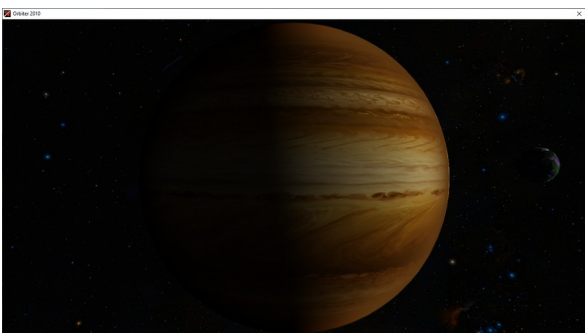
Diameter: 12,542 KM

Distance from parent star: 276 million KM (1.84 AUs)

Rotation period: 24 hours, 12 minutes

Orbital period: 915 days

#### Seventh planet: Beta Rigel VII



Class: J

Moons: 0

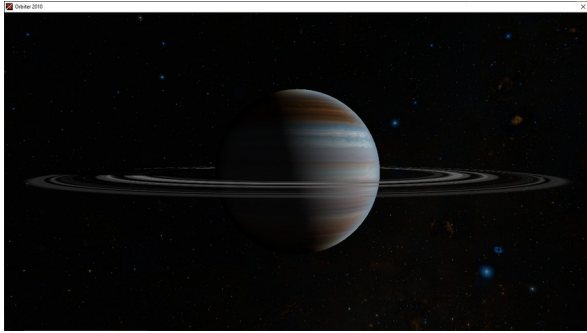
Diameter: 52,416 KM

Distance from parent star: 276 million KM (1.84 AUs)

Rotation period: 9 hours, 56 minutes

Orbital period: 915 days (in Trojan orbit with Beta Rigel VI)

### Eighth planet: Beta Rigel VIII



Class: J

Moons: 0

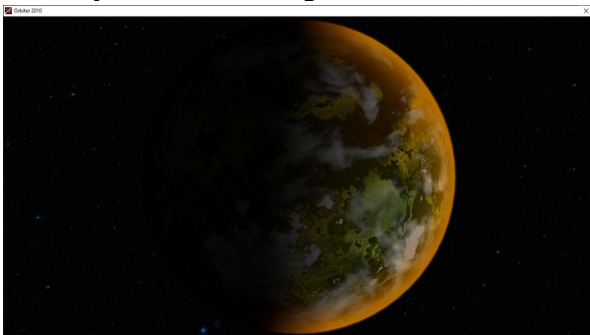
Diameter: 88,166 KM

Distance from parent star: 366 million KM (2.44 AUs)

Rotation period: 11 hours, 9 minutes

Orbital period: 3.8 years

### Ninth planet: Beta Rigel IX



Class: H

Moons: 0

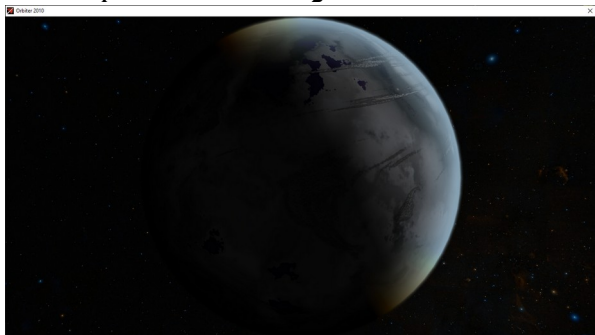
Diameter: 16,504 KM

Distance from parent star: 402 million KM (2.68 AUs)

Rotation period: 36 hours, 24 minutes

Orbital period: 4.4 years

### Tenth planet: Beta Rigel X



Class: P

Moons: 1

Diameter: 12,342 KM

Distance from parent star: 499 million KM (3.33 AUs)

Rotation period: 30 hours, 12 minutes

Orbital period: 5.8 years

## The Rigelians

The Rigelians are a humanoid species characterized by greenish-grey skin and ridges around their eyes and noses. The system was named for its apparent proximity to the star Rigel, or Beta Orionis, when viewed from Earth, and thus should not be confused with it. We are provided with relatively little information on the Rigelians. What we do know is that their internal physiology, particularly their blood chemistry and neurology, is similar to that of the Vulcans. Although the Rigelians were not founding members of the Federation, it is assumed they joined shortly after its founding, and the Beta Rigel system is a major centre of commerce and trade within the Federation.