

# **Planetguard**

Star System Reference

## Table of Contents

Introduction.....	3
Info Table.....	3
Asterea System.....	4
Asterea.....	4
Perses.....	4
Coeus.....	4
Hecate.....	5
Leto.....	5
Najmayni System.....	6
Najmayni A.....	6
Najmayni B.....	6
Sira.....	6
Hasa.....	6
Lulua.....	7
Heimdal System.....	8
Heimdal.....	8
Sif.....	8

## Introduction

This document gives detailed information about each star system and their components. Headings and sub-headings indicate orbit hierarchy (with the exception of the system's main star(s)).

## Info Table

Each system component will have a table with relevant information. The common entries are:

<i>Description</i>	A text description for display in-game.
<i>Nomenclature</i>	Explanation of the name origin.
<i>Design Notes</i>	Any additional notes.

Stars have the following entries:

<i>Color</i>	The color of the star.
<i>Luminosity Class</i>	Describes the general size of the star. Valid values are: <ul style="list-style-type: none"> <li>• <b>VII</b>: White Dwarf</li> <li>• <b>VI</b>: Subdwarf</li> <li>• <b>V</b>: Main Sequence / Dwarf</li> <li>• <b>IV</b>: Subgiant</li> <li>• <b>III</b>: Giant</li> <li>• <b>II</b>: Bright Giant</li> <li>• <b>I</b>: Supergiant</li> <li>• <b>0</b>: Hypergiant</li> </ul>

Planets and moons have the following entries:

<i>Type</i>	The type of planet. Valid types are: <ul style="list-style-type: none"> <li>• Rocky</li> <li>• Gas giant</li> <li>• Ice giant</li> </ul>
<i>Geology</i>	Description of the surface properties.
<i>Climate</i>	Description of the atmosphere, weather, temperature, etc.
<i>Flora</i>	Description of plant life.
<i>Fauna</i>	Description of any animal life including microbial life.

## **Asterea System**

<i>Description</i>	
<i>Nomenclature</i>	Named after Greek titans.

## **Asterea**

<i>Description</i>	
<i>Nomenclature</i>	Greek titaness Asteria.
<i>Color</i>	Orange-Red
<i>Luminosity Class</i>	Giant (III)

## **Perses**

<i>Description</i>	
<i>Nomenclature</i>	Greek titan Perses (whose name is derived from Greek meaning “to sack”, “to ravage”, “to destroy”)
<i>Type</i>	Rocky
<i>Geology</i>	Grey surface with many impact craters and large canyons that resemble scars.
<i>Climate</i>	Very thin atmosphere.

## **Coeus**

<i>Description</i>	
<i>Nomenclature</i>	Greek titan Coeus (father to Leto and grandfather to Hecate)
<i>Type</i>	Gas Giant

## **Hecate**

<i>Description</i>	
<i>Nomenclature</i>	Greek titaness Hecate, who is sometimes associated with crossroads and doorways.
<i>Type</i>	Rocky
<i>Geology</i>	Most areas are arid, with mountain ranges separating them. Expansive oceans cover much of the surface.
<i>Climate</i>	Earth-like climate with mild average temperatures. Has clouds and familiar weather patterns of rain.
<i>Flora</i>	Simple mosses, algae, and fungi near bodies of water.
<i>Fauna</i>	Microorganisms mostly inhabiting bodies of water.

## **Leto**

<i>Description</i>	
<i>Nomenclature</i>	Greek titaness Leto.
<i>Type</i>	Rocky
<i>Geology</i>	Very contrasting surface of light and dark rock.
<i>Climate</i>	No atmosphere.

## **Najmayni System**

<i>Description</i>	
<i>Nomenclature</i>	Arabic-based naming convention (unfortunately have to rely on google translate for now). Najmayni comes from Arabic "Two stars".

### **Najmayni A**

<i>Description</i>	
<i>Nomenclature</i>	Following naming convention for multiple star systems. A for primary star.
<i>Color</i>	Yellow
<i>Luminosity Class</i>	Main Sequence (V)

### **Najmayni B**

<i>Description</i>	
<i>Nomenclature</i>	Following naming convention for multiple star systems. B for secondary star.
<i>Color</i>	White
<i>Luminosity Class</i>	White Dwarf (VII)

## **Sira**

<i>Description</i>	
<i>Nomenclature</i>	Arabic "Desert" with some letters changed around.
<i>Type</i>	Rocky
<i>Geology</i>	Vast sandy deserts and rocky mountains.
<i>Climate</i>	Hot with thick atmosphere. Somewhere between a Mars and Venus-like climate.

## **Hasa**

<i>Description</i>	
<i>Nomenclature</i>	Arabic "Stone"
<i>Type</i>	Rocky
<i>Geology</i>	Brown stone and dust.

## **Lulua**

<i>Description</i>	
<i>Nomenclature</i>	Arabic "Pearl"
<i>Type</i>	Rocky
<i>Geology</i>	White and off-white ices with a very smooth surface.
<i>Climate</i>	Thin but visible atmosphere.

## Heimdal System

<i>Description</i>	
<i>Nomenclature</i>	Named after Norse gods.

## Heimdal

<i>Description</i>	
<i>Nomenclature</i>	Heimdall "the whitest/shiniest of the gods."
<i>Color</i>	Blue-White
<i>Luminosity Class</i>	Main Sequence (V)

## Sif

<i>Description</i>	
<i>Nomenclature</i>	Sif "known for her golden hair"
<i>Type</i>	Rocky
<i>Geology</i>	Reference: <a href="https://www.wallpaperflare.com/static/981/269/135/space-planet-landscape-science-fiction-wallpaper.jpg">https://www.wallpaperflare.com/static/981/269/135/space-planet-landscape-science-fiction-wallpaper.jpg</a>
<i>Climate</i>	
<i>Flora</i>	Abundant short, yellow-red, grass-like plants.
<i>Fauna</i>	Microorganisms.