

# Âyemovi (End of Space)

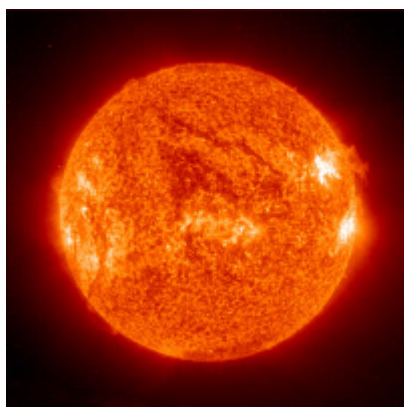
The system Âyemovi (meaning End of Space) is the westernmost star in the [Lumujo Saei \(Territory\)](#) of the [Poku Saeruo Degonjo](#). In 754 CY the [Tanoi \(Council\)](#) reaffirmed its status when the subject of colonization began.

## History

In [755 CY \(YE 36\)](#) the Âmuso Ibâka explored the system. They discovered that an unidentified group of [Poku'vonai](#) had established a settlement on [Pilano \(Betrayal\)](#). A subsequent attack by the illegal settlers on the Âmuso Ibâka led to the loss of most of the crew and family aboard it.

## Star Data

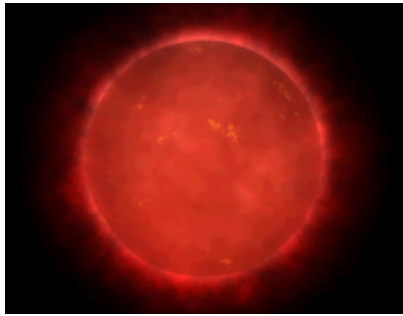
The primary of the system is a middle aged star.



- Type: G1 V Yellow Main Sequence
- Radius:  $8.35 \times 10^5$  km (1.20 x sol)
- Mass:  $2.84 \times 10^{30}$  kg (1.43 x sol)
- Temperature: 5800 K
- Luminosity:  $3.88 \times 10^{26}$  W (1.01 x sol)

## Close Companion

The companion star helped to shape the inner mechanics of the system.



- Type: M2 V Red Dwarf
- Distance:  $4.73 \times 10^7$  km (0.32 AU)
- Radius:  $2.42 \times 10^5$  km (0.35 x sol)
- Mass:  $3.93 \times 10^{29}$  kg (0.20 x sol)
- Temperature: 3100 K
- Luminosity:  $1.55 \times 10^{25}$  W (0.04 x sol)

## Planet Pilano

[Pilano \(Betrayal\)](#) is the only habitable world in the system. Its formerly illegal, secret settlement is now under the official jurisdiction of the Clan. The planet's orbit is oblique to the plane of the system.



- See more details [Pilano \(Betrayal\)](#)
- Type: Terrestrial World
- Orbital Radius:  $1.74 \times 10^8$  km (1.16 AU)
- Period:  $8.60 \times 10^3$  hours (0.98 earth years)
- Physics: Small ocean
- Gravity:  $6.01 \text{ m/s}^2$  (0.61 x earth)
- Hydrosphere: 97 % water, 56 % ice
- Atmosphere: Standard breathable
- Special: Electromagnetic storms

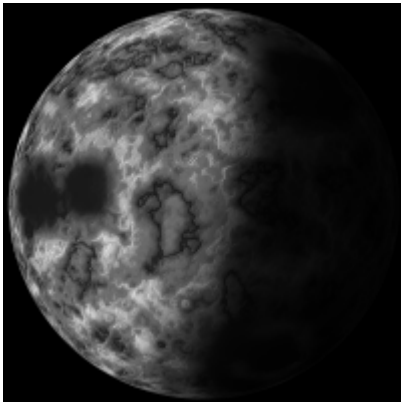
## Planet 2

This planet dominates the inner system, and its gravitational pull affects travel to the inner planet.

- Type: Jovian Planet
- Orbital Radius:  $3.21 \times 10^8$  km (2.15 AU)
- Period:  $2.16 \times 10^4$  hours (2.47 earth years)
- Gravity:  $25.86 \text{ m/s}^2$  (2.64 x earth)
- Special: Planetary rings, 6 small moons, 12 large moons

## Planet 3

This is a lifeless rock, and the resources it may offer are yet unknown.



- Type: Rock Planet
- Orbital Radius:  $6.28 \times 10^8$  km (4.20 AU)
- Period:  $5.90 \times 10^4$  hours (6.75 earth years)
- Gravity:  $6.01 \text{ m/s}^2$  (0.61 x earth)
- Special: Trace atmosphere

## Planet 4

Analysis of the field conducted by the original survey team determined that this planet is the remnants of a world that was torn apart by the tidal stresses from the inner system.

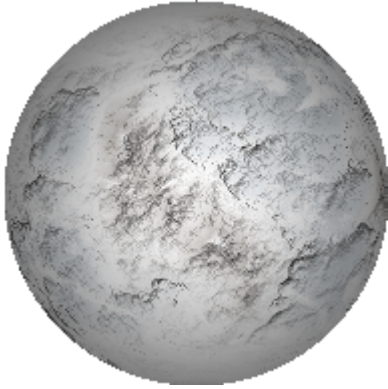


- Type: Asteroid Belt
- Orbital Radius:  $1.15 \times 10^9$  km (7.72 AU)
- Period:  $1.47 \times 10^5$  hours (16.83 earth years)

## Planet 5

This world is a frozen orb with a solid core. The ice surface is irregular and the depth ranges from 1 mile

to 10 miles.



- Type: Ice Planet
- Orbital Radius:  $2.16 \times 10^9$  km (14.42 AU)
- Period:  $3.76 \times 10^5$  hours (42.98 earth years)
- Gravity:  $8.31 \text{ m/s}^2$  (0.85 x earth)

## Planet 6

Analysis of the field determined that this planet was formed out of left over material from the original formation of the system.



- Type: Asteroid Belt
- Orbital Radius:  $4.54 \times 10^9$  km (30.33 AU)
- Period:  $1.15 \times 10^6$  hours (131.04 earth years)

## Planet 7

This planet is a cold, lifeless world. Initial surveys detected large mineral deposits. The surface is covered in layers of ice up to 1000 meters deep.



- Type: Ice Planet
- Orbital Radius:  $8.81 \times 10^9$  km (58.87 AU)
- Period:  $3.10 \times 10^6$  hours (354.45 earth years)
- Gravity:  $16.38 \text{ m/s}^2$  (1.67 x earth)

## Planet 8

Tectonic activity has shaped the ice layers into sweeping sections that reach towards the stars like blades. The ice ranges from light grey to black from interaction with the output of the volcanoes.



- Type: Ice Planet
- Orbital Radius:  $1.64 \times 10^{10}$  km (109.80 AU)
- Period:  $7.89 \times 10^6$  hours (902.75 earth years)
- Gravity:  $8.90 \text{ m/s}^2$  (0.91 x earth)
- Special: Heavy volcanism

## Planet 9

Another lifeless rock with a thin layer of ice, 100-500 meters. Geological survey not conducted.



- Type: Ice Planet
- Orbital Radius:  $3.63 \times 10^{10}$  km (242.96 AU)
- Period:  $2.60 \times 10^7$  hours (2971.52 earth years)
- Gravity:  $16.73 \text{ m/s}^2$  (1.71 x earth)

OOC Notes

- Art and article created by [Nashoba](#).

| Map Locations            |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Map to Use               | Kikyo Sector                                                                        |
| Map Display Name         | Âyemovi                                                                             |
| Map Coordinates          | 1147,267                                                                            |
| Map Importance           | Minor RP Location                                                                   |
| Map Marker               |  |
| Map Tooltip Content      | End of Space                                                                        |
| Show label?              | yes                                                                                 |
| Marker Anchor            | Bottom Center                                                                       |
| Places of the SARPiverse |                                                                                     |
| Place Categories         | star system                                                                         |

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