

DOC-004

AURELIOS PLANET REFERENCE

Classification

Designation: Aurelios

Type: Super-Terrestrial Ocean World

System: Helion System

Primary Species: Chimeron

Gravity: ~1.5 G

Age: ~6.8 Billion Years

Population: Tens of Billions

Civilization Level: Universal-Transversal Civilization

Frontier Research: Experimental Extraversal / Outerversal Travel

Planet Overview

Aurelios is the ancestral homeworld of the Chimeron species.

The planet is characterized by:

- Vast global oceans
- Titanic mountain ranges
- Deep canyon networks
- High gravity
- Dense atmosphere
- Extensive orbital infrastructure

Most of the planet's surface is covered by water, with the majority of land existing as mountain chains, volcanic uplifts, and continental ridges.

The result is a world where civilization developed vertically rather than horizontally.

Planetary Geography

Surface Composition

Oceans

~70–75% of surface area

The oceans of Aurelios are exceptionally deep due to the planet's greater mass.

Many trenches extend for dozens of kilometers beneath the surface.

Numerous scientific facilities are located in abyssal regions.

Mountain Regions

The dominant landform.

Mountain ranges regularly exceed Earth's tallest peaks.

Entire civilizations exist within:

- mountain faces
- cliff networks
- elevated plateaus
- floating atmospheric stations

Forests primarily exist in these regions.

Canyon Deserts

The deepest canyon systems receive limited rainfall.

These regions contain:

- mineral-rich badlands
- crystal formations
- ancient geological records
- isolated research settlements

Many Chimeron expeditions train here.

Alpine Forest Zones

Located in:

- mountain valleys
- elevated plateaus
- cloud forests

These are among the most biodiverse regions on Aurelios.

Climate

Because of the immense oceans:

- climate is generally stable
- temperatures are moderated globally
- severe weather exists but is predictable

Major storms typically form over open ocean regions.

Wildlife

Native wildlife evolved under:

- high gravity
- dense atmosphere
- mountainous terrain

General traits:

- dense musculature
- reinforced skeletal structures
- exceptional climbing ability
- high endurance

Many species exhibit natural bioluminescence.

Chimeron Civilization

Core Philosophy

The dominant cultural belief:

“To Collect, To Culminate, To Preserve.”

Knowledge is viewed as civilization’s highest responsibility.

Cultural Proverb

“Knowledge is the greatest gift; it alone may transcend time and space.”

This phrase appears throughout:

- universities
 - archives
 - government facilities
 - exploration vessels
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Government

Council of Experts

Aurelios is governed through a merit-based council system.

Representatives are selected from:

- science
- engineering
- medicine
- education
- infrastructure
- exploration

Positions are periodically reevaluated.

Authority is earned through demonstrated expertise.

Education

Education is considered one of the highest social responsibilities.

Most citizens pursue lifelong learning.

Major disciplines include:

- physics
 - engineering
 - biology
 - systems science
 - planetary science
 - QFRM theory
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Technology

Aurelios possesses:

- advanced AI
- drone systems
- nanotechnology
- fusion power
- orbital infrastructure

- QFRM-enabled technologies

Technology is generally designed around utility rather than luxury.

Major Cities

Helios Prime

Planetary Capital of Aurelios

The largest city on Aurelios and the administrative heart of Chimeron civilization.

Built across:

- coastal mountain ranges
- oceanic platforms
- vertical arcology networks
- orbital elevator foundations

Helios Prime serves as the center of:

- government
- education
- scientific research
- interplanetary exploration
- ship construction

The city is famous for its massive knowledge archives, research institutes, and launch facilities.

Most major exploration expeditions originate from Helios Prime.

Torrik and Vertlyx were both raised within the greater Helios Prime region and ultimately depart from its orbital facilities at the beginning of the story.

The Ascendant Spires

Massive mountain arcology complexes.

Known for:

- universities
 - observatories
 - research institutions
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The Deep Archive

A continent-scale repository of knowledge.

Contains:

- historical records
- scientific discoveries
- cultural archives

Considered one of the most important sites on Aurelios.

Orbital Infrastructure

Aurelios possesses one of the densest orbital networks in known space.

Includes:

- shipyards
- research stations
- communication arrays
- defense platforms
- exploration ports

Most interplanetary launches originate from orbital facilities rather than directly from the surface.

Natural Satellites

Moon I — Solara

Largest moon.

Visible from most of Aurelios.

Acts as a major scientific and industrial center.

Moon II — Khelos

Rocky research moon.

Known for observatories.

Moon III — Veyra

Resource extraction and manufacturing hub.

Moon IV — Nyxara

Small outer moon.

Sparse population.

Used primarily for long-range scientific projects.

Story Relevance

Aurelios serves as:

- the birthplace of Torrik
- the birthplace of Vertlyx
- the birthplace of Chimeron civilization
- the launching point of the first major expedition

It represents:

- knowledge
- curiosity

- discovery
- home

Everything the protagonists eventually build traces back to Aurelios.