

Occhestia System

System located to the stellar north, just beyond sixty light-years away from [Yamatai Star System](#). Serves as the location of the primary colony of the Lorath [Occhestians](#).

System Data

Star

- Occhestia
- Type: K1 IV Orange Sub-giant
- Radius: 1.93×10^6 km (2.78 x sol)
- Mass: 2.73×10^{30} kg (1.37 x sol)
- Temperature: 4700 K
- Luminosity: 3.21×10^{27} W (8.37 x sol)

Planetary Bodies

Occhestia I

- Type: Rock Planet
- Orbital Radius: 1.73×10^8 km (1.16 AU)
- Period: 9.30×10^3 hours (1.06 earth years)
- Gravity: 2.96 m/s^2 (0.30 x earth)
- Special Features: Large moon.
- Settlements: Mining facilities.

Occhestia II

- Type: Rock Planet
- Orbital Radius: 3.07×10^8 km (2.05 AU)
- Period: 2.19×10^4 hours (2.51 earth years)
- Gravity: 3.01 m/s^2 (0.31 x earth)
- Special Features: 3 small moons, planetary rings
- Settlements: Military Proving Grounds

Occhestia III

- Type: Terrestrial World
- Orbital Radius: 4.76×10^8 km (3.18 AU)

- Period: 4.23 x 104 hours (4.84 earth years)
- Core Composition: Iron / Silica
- Gravity: 6.58 m/s² (0.67 x earth)
- Hydrosphere: 65 % water, 22 % ice
- Atmosphere: Breathable
- Special Features: 2 small moons
- Settlements: Primary Occhestian colony, highly developed cities.

Occhestia IV

- Type: Ice Planet
- Orbital Radius: 1.12 x 109 km (7.47 AU)
- Period: 3.27 x 105 hours (37.37 earth years)
- Gravity: 11.27 m/s² (1.15 x earth)
- Settlements: Terra-forming stations, temperature regulated colony domes

Occhestia V

- Type: Gas Giant
- Orbital Radius: 1.32 x 109 km (8.82 AU)
- Period: 3.81 x 105 hours (43.58 earth years)
- Gravity: 31.98 m/s² (3.27 x earth)
- Special Features: Planetary rings, 20 small moons, 6 large moons
- Settlements: Gas harvesting plant, shipyards.

Occhestia VI

- Type: Gas Giant
- Orbital Radius: 2.89 x 109 km (19.29 AU)
- Period: 1.21 x 106 hours (138.53 earth years)
- Gravity: 9.27 m/s² (0.95 x earth)
- Special Features: 12 small moons, 4 large moons
- Settlements: Gas harvesting plant, scientific outpost, military observation and defense outpost

Occhestia VII

- Type: Gas Giant
- Orbital Radius: 5.75 x 109 km (38.42 AU)
- Period: 3.40 x 106 hours (389.38 earth years)
- Gravity: 15.95 m/s² (1.63 x earth)
- Special Features: 19 small moons, 5 large moons
- Settlements: Military research facility and patrol outpost, [Lorath Self Defense Force](#) Military Outpost.

Other Orbiting Bodies

Asteroid Belt

- Primary Composition: Ice
- Orbital Radius: 1.03×10^9 km (6.90 AU)
- Period: 2.87×10^5 hours (32.85 earth years)

Asteroid Belt II

- Primary Composition: Solid Minerals
- Orbital Radius: 2.42×10^{10} km (162.02 AU)
- Period: 2.95×10^7 hours (3372.55 earth years)
- Special Feature: Occhestian defensive meson-cannon batteries mixed in with asteroids

OOC Notes

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