

HX-4

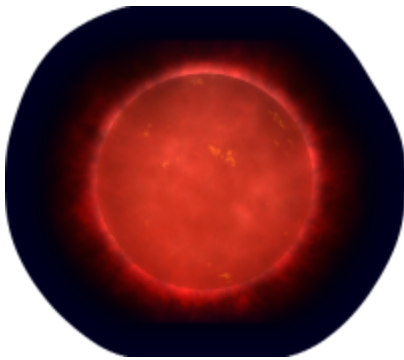
HX-4 is one of the twenty systems charted by [Taisa Hanako](#) while she commanded the [YSS Elfin Princess](#) in [YE 30](#).



There is a small, unidentified military spaceport here.

The Star System

Star Data



- Type M5 V Red Dwarf
- Radius 2.30×10^5 km (0.33 x sol)
- Mass 3.38×10^{29} kg (0.17 x sol)
- Temperature 2600 K
- Luminosity 1.35×10^{25} W (0.04 x sol)

I



- Type Rock Planet
- Orbital Radius 1.76×10^7 km (0.12 AU)
- Period 8.54×10^2 hours (0.10 earth years)
- Gravity 2.63 m/s² (0.27 x earth)

HX-4 II



- Type Terrestrial World
- Orbital Radius 3.32×10^7 km (0.22 AU)
- Period 2.21×10^3 hours (0.25 earth years)
- Physics Standard iron/silicate
- Hydrosphere 50 % water, 43 % ice
- Atmosphere Thin toxic
- Biosphere Prokaryotic microbes
- Civilization Military Spaceport
- Special Planetary rings

III



- Type Asteroid Belt
- Orbital Radius 4.41×10^7 km (0.29 AU)
- Period 3.39×10^3 hours (0.39 earth years)

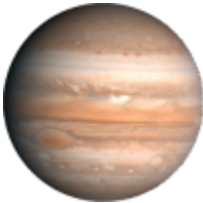
IV



- Type Rock Planet
- Orbital Radius 7.53×10^7 km (0.50 AU)
- Period 7.57×10^3 hours (0.87 earth years)
- Gravity 10.72 m/s² (1.10 x earth)
- Special Heavy radiation, large moon

V

- Type Asteroid Belt
- Orbital Radius 1.26×10^8 km (0.84 AU)
- Period 1.64×10^4 hours (1.88 earth years)

VI

- Type Jovian Planet
- Orbital Radius 2.54×10^8 km (1.70 AU)
- Period 4.68×10^4 hours (5.36 earth years)
- Gravity 5.46 m/s² (0.56 x earth)
- Special Planetary rings, 47 small moons

The Planet of Interest

HX-4 II

Physics

- Type Standard iron/silicate
- Radius 6990.56 km (1.10 x earth)
- Surface Area 6.14×10^8 km²
- Land Area 3.13×10^8 km² (2.10 x earth)
- Mass 8.24×10^{24} kg (1.38 x earth)
- Density 5.76 g/cm³ (1.04 x earth)
- Composition 31.2% iron, 25.7% oxygen, 16.8% silicon, 16.2% nickel, 10.2% other metals, trace other elements

Gravimetry

- Gravity 11.21 m/s² (1.15 x earth)
- Escape Velocity 12.52 km/s
- Rotation
- Period 28.29 hours
- Axis Tilt 12.10 °

Hydrosphere

- Water 50 %
- Ice 43 %

Atmosphere

- Type Thin toxic
- Pressure 51.20 kPa (0.51 x earth)
- Composition 82.6% carbon dioxide, 17.4% oxygen, trace other gases

Climate

- Type Cold
- Min Temp 148 K (-125 °C)
- Avg Temp 280 K (6 °C)
- Max Temp 356 K (82 °C)

Biosphere

- Chemistry Carbon
- Lifeforms Prokaryotic microbes

Civilization

- Type Military Spaceport
- Population 136
- Tech Level Interplanetary (nuclear fusion, space colonies, nanotechnology)
- Special Features Planetary rings

Places of the SARPiverse

Place Categories	star system
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