

HX-14

HX-14 is one of the twenty systems charted by [Taisa Hanako](#) while she commanded the [YSS Elfin Princess](#) in [YE 30](#).

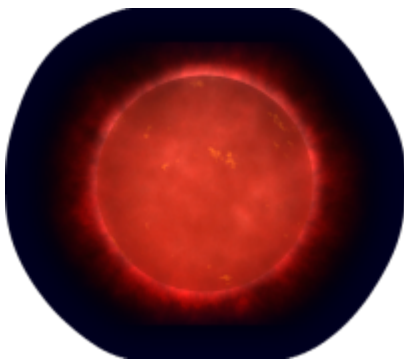


A large unidentified interplanetary civilization had a colony in this system!

Star System

This section gives the “numbers” for the bodies in this system.

HX-14 (Star)



- Type M8 V Red Dwarf
- Radius 2.82×10^5 km (0.40 x sol)
- Mass 6.17×10^{29} kg (0.31 x sol)
- Temperature 2100 K
- Luminosity 1.38×10^{25} W (0.04 x sol)

I



- Type Terrestrial World
- Orbital Radius 3.09×10^7 km (0.21 AU)
- Period 1.47×10^3 hours (0.17 earth years)

- Physics Standard iron/silicate
- Hydrosphere 68 % water, 39 % ice
- Atmosphere argon breathable
- Biosphere grasses, some trees, microbes, fish, insects, some large arthropods (crabs)
- Civilization Colony ¹⁾
- Special Heavy radiation, planetary rings

II



- Type Asteroid Belt
- Orbital Radius 5.31×10^7 km (0.36 AU)
- Period 3.32×10^3 hours (0.38 earth years)

III



- Type Rock Planet
- Orbital Radius 8.06×10^7 km (0.54 AU)
- Period 6.21×10^3 hours (0.71 earth years)
- Gravity 9.81 m/s^2 (1.00 x earth)
- Special Heavy volcanism

IV



- Type Rock Planet
- Orbital Radius 1.27×10^8 km (0.85 AU)
- Period 1.23×10^4 hours (1.40 earth years)

- Gravity 11.13 m/s^2 (1.14 x earth)
- Special Electromagnetic storms, heavy radiation

V



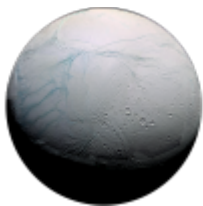
- Type Asteroid Belt
- Orbital Radius $2.32 \times 10^8 \text{ km}$ (1.55 AU)
- Period $3.03 \times 10^4 \text{ hours}$ (3.46 earth years)

VI



- Type Uranian Planet
- Orbital Radius $4.09 \times 10^8 \text{ km}$ (2.74 AU)
- Period $7.10 \times 10^4 \text{ hours}$ (8.12 earth years)
- Gravity 5.96 m/s^2 (0.61 x earth)
- Special 13 small moons

VII



- Type Ice Planet
- Orbital Radius $7.63 \times 10^8 \text{ km}$ (5.10 AU)
- Period $1.81 \times 10^5 \text{ hours}$ (20.68 earth years)
- Gravity 6.88 m/s^2 (0.70 x earth)
- Methane seas

Inhabited Planet

Physics

- Type Standard iron/silicate
- Radius 5427.67 km (0.85 x earth)
- Surface Area $3.70 \times 10^8 \text{ km}^2$
- Land Area $1.22 \times 10^8 \text{ km}^2$ (0.82 x earth)
- Mass $4.11 \times 10^{24} \text{ kg}$ (0.69 x earth)
- Density 6.14 g/cm^3 (1.11 x earth)
- Composition 46.3% iron, 17.7% nickel, 17.3% oxygen, 12.4% silicon, 4.2% sulphur, 1.4% other metals, 0.7% other elements

Gravimetry

- Gravity 9.27 m/s^2 (0.95 x earth)
- Escape Velocity 10.03 km/s
- Rotation Period 18.22 hours
- Axis Tilt 66.88°

Hydrosphere

- Water 68 %
- Ice 39 %

Atmosphere

- Type Standard breathable
- Pressure 91.43 kPa (0.90 x earth)
- Composition 63.2% argon, 18.8% nitrogen, 18.0% oxygen, trace other gases

Climate

- Min Temp 230 K (-42 °C, -43.6 °F)
- Avg Temp 281 K (7 °C, 44.6 °F)
- Max Temp 318 K (45 °C, 113 °F)

Biosphere

- Chemistry Carbon
- Lifeforms grasses, some trees, microbes, fish, insects, some large arthropods (crabs)

Civilization

- Type ??? Colony (Failed)
- Population 3.30 billion (Deceased)
- Society ???
- Tech Level Interplanetary (nuclear fusion, space colonies, nanotechnology)
- Special Features planetary rings

Places of the SARPiverse

Place Categories	star system
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¹⁾

Colony discovered as failed by [Thorn Ironhart](#)

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