

EX-7 Xanthe

One of the [Elysian Expansion Star Systems](#).

Star System

Star Data

- Type M0 V Red Dwarf
- Radius 2.66×10^5 km (0.38 x sol)
- Mass 5.23×10^{29} kg (0.26 x sol)
- Temperature 3300 K
- Luminosity 1.57×10^{25} W (0.04 x sol)

I

- Type Terrestrial World
- Orbital Radius 2.58×10^7 km (0.17 AU)
- Period 1.22×10^3 hours (0.14 earth years)
- Physics Large metallic
- Hydrosphere 2 % water, 5 % ice
- Atmosphere Dense breathable
- Biosphere Prokaryotic microbes
- Special 5 small moons, heavy radiation

II

- Type Rock Planet
- Orbital Radius 4.70×10^7 km (0.31 AU)
- Period 3.00×10^3 hours (0.34 earth years)
- Gravity 8.93 m/s^2 (0.91 x earth)
- Special Advanced alien artifact

III

- Type Rock Planet
- Orbital Radius 6.86×10^7 km (0.46 AU)
- Period 5.29×10^3 hours (0.61 earth years)
- Gravity 2.64 m/s^2 (0.27 x earth)

IV

- Type Rock Planet
- Orbital Radius 1.15×10^8 km (0.77 AU)
- Period 1.14×10^4 hours (1.31 earth years)
- Gravity 15.11 m/s^2 (1.54 x earth)

V

- Type Ice Planet
- Orbital Radius 2.12×10^8 km (1.42 AU)
- Period 2.88×10^4 hours (3.30 earth years)
- Gravity 3.21 m/s^2 (0.33 x earth)

VI

- Type Ice Planet
- Orbital Radius 4.03×10^8 km (2.69 AU)
- Period 7.52×10^4 hours (8.61 earth years)
- Gravity 13.96 m/s^2 (1.43 x earth)

VII

- Type Asteroid Belt
- Orbital Radius 7.58×10^8 km (5.07 AU)
- Period 1.95×10^5 hours (22.25 earth years)

VIII

- Type Ice Planet
- Orbital Radius 1.59×10^9 km (10.65 AU)
- Period 5.93×10^5 hours (67.78 earth years)
- Gravity 10.27 m/s^2 (1.05 x earth)
- 5 small moons

Planetary

Physics

- Type Large metallic
- Radius 9288.29 km (1.46 x earth)

- Surface Area $1.08 \times 10^9 \text{ km}^2$
- Land Area $1.07 \times 10^9 \text{ km}^2$ (7.21 x earth)
- Mass $2.14 \times 10^{25} \text{ kg}$ (3.58 x earth)
- Density 6.38 g/cm^3 (1.16 x earth)
- Composition 34.0% iron, 19.6% nickel, 19.4% oxygen, 10.1% silicon, 16.8% other metals, trace other elements

Gravimetry

- Gravity 16.49 m/s^2 (1.69 x earth)
- Escape Velocity 17.50 km/s
- Rotation
- Period 18.82 hours
- Axis Tilt 15.30°

Hydrosphere

- Water 2 %
- Ice 5 %

Atmosphere

- Type Dense breathable
- Pressure 284.74 kPa (2.81 x earth)
- Composition 77.3% nitrogen, 22.7% oxygen, trace other gases

Climate

- Type Standard
- Min Temp 268 K (-4 °C)
- Avg Temp 295 K (21 °C)
- Max Temp 298 K (25 °C)

Biosphere

- Chemistry Carbon
- Lifeforms Prokaryotic microbes

Notable Features

- 5 small moons, heavy radiation

OOO Notes



Needs text, not just a bunch of stats!

Places of the SARPiverse
Place Categories star system

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