

EX-5 Thais

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

This system contains a planet where space suits are not needed (although oxygen masks are).

Star Data

- Type M7 V Red Dwarf
- Radius 2.83×10^5 km (0.41 x sol)
- Mass 6.29×10^{29} kg (0.32 x sol)
- Temperature 2400 K
- Luminosity 2.05×10^{25} W (0.05 x sol)

I

- Type Rock Planet
- Orbital Radius 2.06×10^7 km (0.14 AU)
- Period 7.93×10^2 hours (0.09 earth years)
- Gravity 11.31 m/s² (1.16 x earth)
- Planetary rings, wreckage of a crashed starship

II

- Terrestrial World
- Orbital Radius 3.80×10^7 km (0.25 AU)
- Period 1.99×10^3 hours (0.23 earth years)
- Physics Large iron/silicate
- Hydrosphere 16 % water, 23 % ice
- Atmosphere Dense toxic
- Special Wreckage of a crashed starship

Physics

- Type Large iron/silicate
- Radius 7856.05 km (1.23 x earth)
- Surface Area 7.76×10^8 km²
- Land Area 6.59×10^8 km² (4.43 x earth)
- Mass 9.69×10^{24} kg (1.62 x earth)
- Density 4.77 g/cm³ (0.87 x earth)
- Composition 41.7% oxygen, 36.9% iron, 21.4% silicon, trace other elements

Gravimetry

- Gravity 10.43 m/s² (1.07 x earth)
- Escape Velocity 12.80 km/s

Rotation

- Period 12.83 hours
- Axis Tilt 13.75 °

Hydrosphere

- Water 16 %
- Ice 23 %

Atmosphere

- Type Dense toxic
- Pressure 167.85 kPa (1.66 x earth)
- Composition 76.3% nitrogen, 23.7% argon, trace other gases

Climate

- Type Cool
- Min Temp 236 K (-36 °C)
- Avg Temp 284 K (11 °C)
- Max Temp 350 K (77 °C)

III

- Type Rock Planet
- Orbital Radius 5.54 x 10⁷ km (0.37 AU)
- Period 3.51 x 10³ hours (0.40 earth years)
- Gravity 12.01 m/s² (1.23 x earth)
- Special Electromagnetic storms, heavy radiation

IV

- Type Rock Planet
- Orbital Radius 8.33 x 10⁷ km (0.56 AU)
- 6.46 x 10³ hours (0.74 earth years)
- 14.63 m/s² (1.50 x earth)

- Planetary rings

Places of the SARPiverse

Place Categories	star system
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