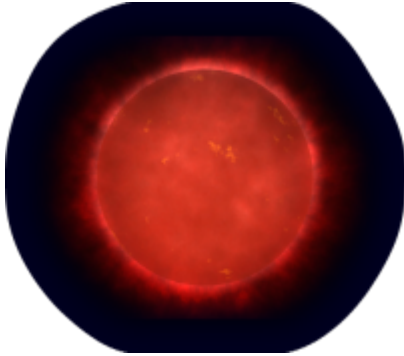


EX-2 Agathe

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

Star Data



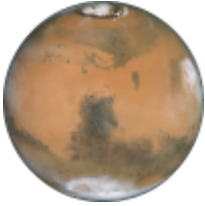
- Type M5 V Red Dwarf
- Radius 2.79×10^5 km (0.40 x sol)
- Mass 6.00×10^{29} kg (0.30 x sol)
- Temperature 2600 K
- Luminosity 2.07×10^{25} W (0.05 x sol)

I



- Type Rock Planet
- Orbital Radius 1.72×10^7 km (0.11 AU)
- Period 6.19×10^2 hours (0.07 earth years)
- Gravity 12.64 m/s² (1.29 x earth)
- Special Heavy volcanism, trace atmosphere

EX-2 Agathe II



A Mars-like Terrestrial Planet

Physics

- Type Small iron/silicate
- Radius 3495.89 km (0.55 x earth)
- Surface Area $1.54 \times 10^8 \text{ km}^2$
- Land Area $1.55 \times 10^8 \text{ km}^2$ (1.04 x earth)
- Mass $9.43 \times 10^{23} \text{ kg}$ (0.16 x earth)
- Density 5.27 g/cm^3 (0.96 x earth)
- Composition 31.9% oxygen, 25.5% iron, 16.0% silicon, 13.7% aluminum, 4.6% calcium, 8.0% other metals, 0.2% other elements

Gravimetry

- Gravity 5.13 m/s² (0.52 x earth)
- Escape Velocity 5.99 km/s

Rotation

- Period 13.08 hours
- Axis Tilt 27.80 °
- Hydrosphere
- Water 0 %
- Ice 11 %

Atmosphere

- Type Standard reducing
- Pressure 81.65 kPa (0.81 x earth)
- Composition 76.8% sulfur dioxide, 23.2% methane, trace other gases

Climate

- Type Cool
- Min Temp 277 K (3 °C)
- Avg Temp 294 K (21 °C)

- Max Temp 347 K (73 °C)

III



- Type Rock Planet
- Orbital Radius 5.37×10^7 km (0.36 AU)
- Period 3.42×10^3 hours (0.39 earth years)
- Gravity 10.80 m/s² (1.10 x earth)
- Electromagnetic storms, wreckage of a crashed starship (old Nepleslian)

Places of the SARPiverse

Place Categories	star system
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