

AX-02



The following article is currently NOT APPROVED for in-character usage.

AX-02 is a star system that was explored by the [YSS Aeon](#) at the end of [YE 33](#).

Star Data

- Type: M1 V Red Dwarf
- Radius: 2.81×10^5 km (0.40 x sol)
- Mass: 6.15×10^{29} kg (0.31 x sol)
- Temperature: 3200 K
- Luminosity: $1.88 \times 1,025$ W (0.05 x sol)

I

- Type: Rock Planet
- Orbital Radius: 1.90×10^7 km (0.13 AU)
- Period: 7.13×10^2 hours (0.08 earth years)
- Gravity: 17.61 m/s² (1.80 x earth)

II

- Type: Asteroid Belt
- Orbital Radius: 4.29×10^7 km (0.29 AU)
- Period: 2.42×10^3 hours (0.28 earth years)

AX-02 I

Physics

- Type: Small iron/silicate
- Radius: 4652.09 km (0.73 x earth)
- Surface Area: 2.72×10^8 km²
- Land Area: 1.22×10^8 km² (0.82 x earth)
- Mass: 2.08×10^{24} kg (0.35 x earth)
- Density: 4.93 g/cm³ (0.89 x earth)
- Composition 34.2% iron, 32.5% silicon, 27.2% oxygen, 3.2% magnesium, 2.9% other metals, trace other elements

Gravimetry

- Gravity: 6.39 m/s² (0.65 x earth)
- Escape Velocity: 7.71 km/s

Rotation

- Period: 31.42 hours
- Axis Tilt: 29.74 °

Hydrosphere

- Water: 56 %
- Ice: 33 %

Atmosphere

- Type: Thin toxic
- Pressure: 45.55 kPa (0.45 x earth)
- Composition: 84.8% sulfur dioxide, 15.2% oxygen, trace other gases

Climate

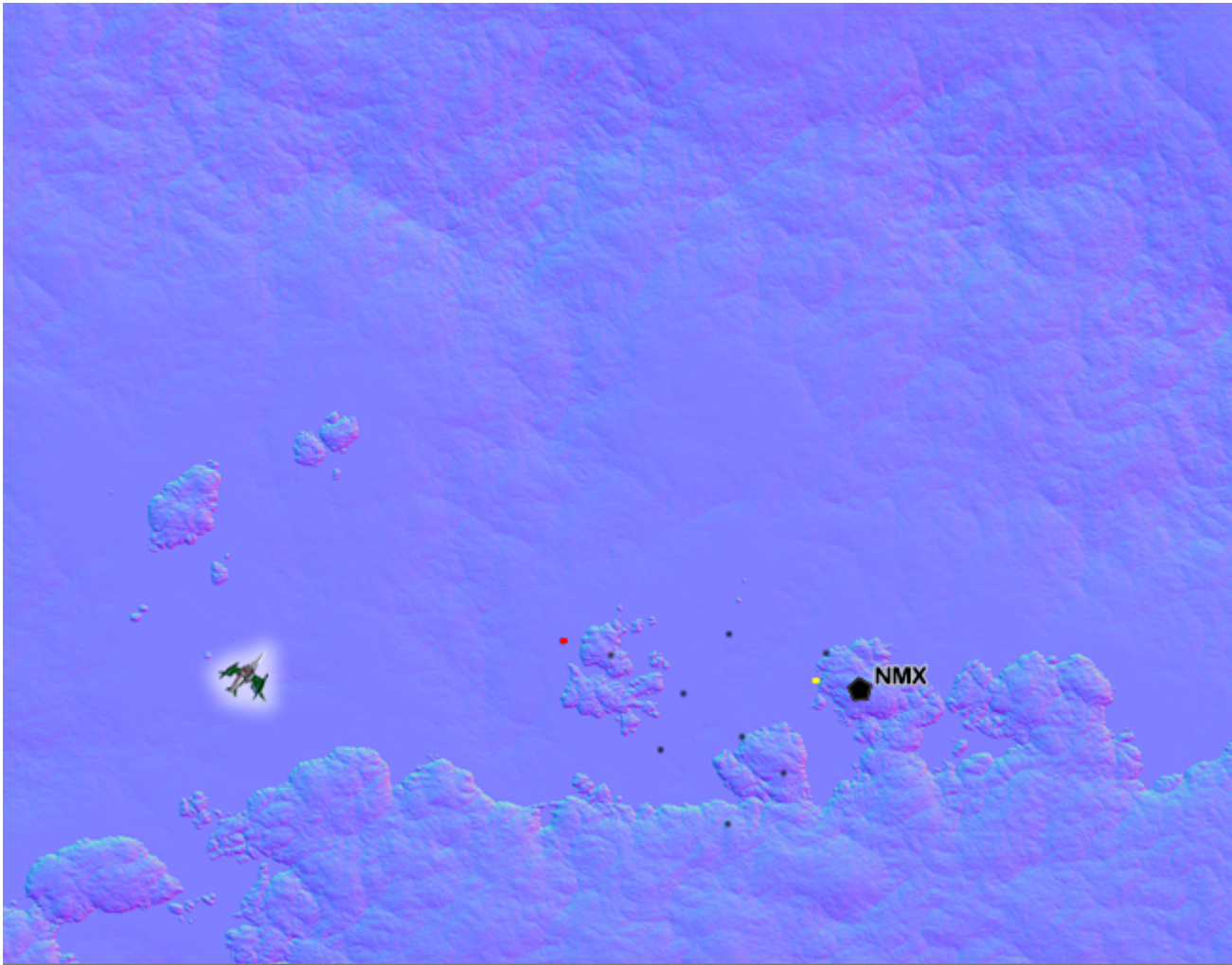
- Type: Cold
- Min Temp: 177 K (-96 °C)
- Avg Temp: 281 K (8 °C)
- Max Temp: 357 K (84 °C)

Biosphere

- Chemistry: Carbon
- Lifeforms: Microbes

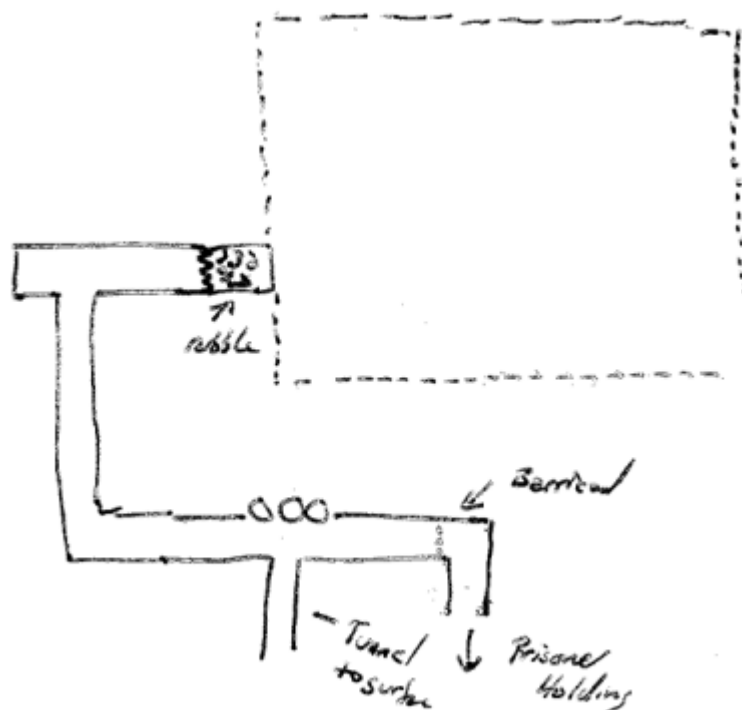
Civilization

- Type: Colony
- Population: 239000
- Society: Military Dictatorship
- Tech Level: Interplanetary (nuclear fusion, space colonies, nanotechnology)



Creature





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