

Meltra II

A strange world with a super dense atmosphere and planetary rings. However, the strangest thing of all about Meltra II is that it contains a nanotechnological biosphere underneath its thick layer of clouds. It is unknown who sowed the planet with these nanotech microbes, but studies are underway.

Planetary Statistics

Physics

- Type: Standard iron/silicate
- Radius: 6942.03 kilometers
- Surface Area: 6.06×10^8 square kilometers
- Land Area: 4.72×10^8 square kilometers
- Mass: 7.84×10^{24} kilograms
- Density: 5.59 grams per cubic centimeter
- Composition:
 - 35.2% iron
 - 22.7% oxygen
 - 12.7% silicon
 - 11.6% aluminum
 - 6.9% sodium
 - 7.2% other metals
 - 3.4% other elements

Gravimetry

- Gravity: 10.80 meters per second squared (1.10 Gs)
- Escape Velocity: 12.25 kilometers per second

Rotation and Revolution

- Period: 16.28 hours
- Axis Tilt: 4.81 degrees
- Orbiting: [old man star](#)
- Orbital Radius: 1.85×10^8 kilometers (1.24 Astronomical Units)
- Orbital Period: 1.22×10^4 hours (1.39 standard years)

Hydrosphere

- Water: 23%

- Ice: 0%

Atmosphere

- Type: Superdense reducing
- Pressure: 13.17 MegaPascals
- Composition:
 - 75.1% carbon dioxide
 - 24.9% methane
 - trace other gases

Climate

- Type: Infernal
- Minimum Temperature: 346 Kelvins (72 Celsius)
- Average Temperature: 347 Kelvins (74 Celsius)
- Maximum Temperature: 347 Kelvins (74 Celsius)

Biosphere

- Chemistry: Nanotechnological
- Lifeforms: Microbes
 - [Meltran Nanocrobes](#)

Special Features

Silver Rings

Named after the color they shine as from a higher orbit, the Silver Rings are more comprised of iron ore than silver and orbits the planet at a radius of 254,247 kilometers, 400,365 kilometers, and 532,645 kilometers.

OOO Notes

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