

Meltra I

Meltra I is a Chthonian world with a breathable atmosphere. However, while the atmosphere is breathable density and composition wise, the temperature and proximity to the star make the atmosphere hot enough to melt an individual's lungs. That is — if the molten lava from the heavy volcanic activity doesn't kill anyone.

Planetary Statistics



Physics

- Type: Standard iron/silicate
- Radius: 7315.17 kilometers
- Surface Area: 6.72×10^8 square kilometers
- Land Area: 3.83×10^8 square kilometers
- Mass: 7.99×10^{24} kilograms
- Density: 4.87 grams per cubic centimeter
- Composition:
 - 35.8% iron
 - 33.9% oxygen
 - 21.8% silicon
 - 3% sodium
 - 3.2% other metals
 - 2.3% other elements

Gravimetry

- Gravity: 9.92 meters per second squared (1.01 Gs)
- Escape Velocity: 12.04 kilometers per second

Rotation and Revolution

- Period: 39.25 hours
- Axis Tilt: 30.2 degrees
- Orbiting: [old man star](#)
- Orbital Radius: 1.05×10^8 kilometers (0.70 Astronomical Units)
- Orbital Period: 5.17×10^3 hours (0.61 standard years)

Hydrosphere

- Molten: 44%
- Ice: 0%

Atmosphere

- Type: Standard breathable
- Pressure: 116.56 kiloPascals
- Composition:
 - 77.6% argon
 - 22.1% oxygen
 - 0.3% nitrogen
 - trace other gases

Climate

- Type: Infernal
- Minimum Temperature: 342 Kelvins (69 Celsius)
- Average Temperature: 393 Kelvins (120 Celsius)
- Maximum Temperature: 479 Kelvins (205 Celsius)

Biosphere

- Chemistry: Carbon
- Lifeforms: Microbes

OOC Notes

This page was originally created on 2013/06/11 15:43 by [Abwehran Commander](#).

Places of the SARPiverse

Place Categories	planet
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Last update: **2023/12/20 18:21**

