

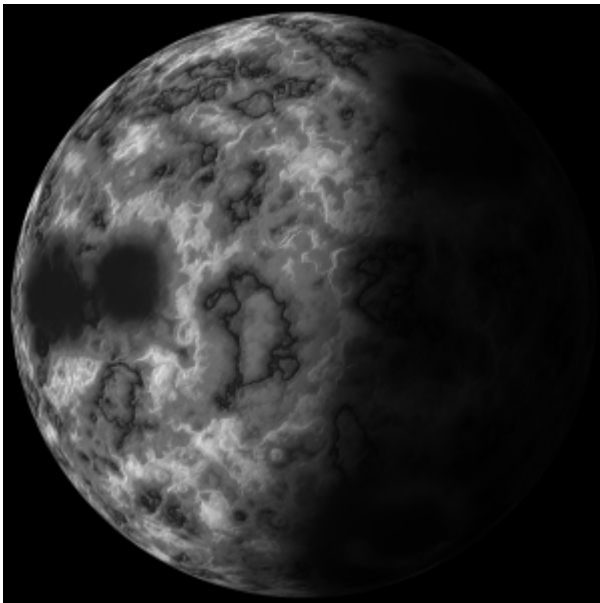
Kepler II



WIP: This article is a work in progress and is not yet approved for usage in the RP.

The largest rocky planet in [Kepler's Find](#), Kepler II is difficult to exploit due to the superdense corrosive atmosphere and high temperatures.

Planetary Statistics



Physics

- Type: Large iron/silicate
- Radius: 8578.34 kilometers
- Surface Area: 9.25×10^8 square kilometers
- Land Area: 9.34×10^8 square kilometers
- Mass: 1.46×10^{25} kilograms
- Density: 5.52 grams per cubic centimeter
- Composition:
 - 29.4% nickel
 - 25.8% oxygen
 - 22.8% iron
 - 21.7% silicon
 - 0.3% other metals
 - trace other elements

Gravimetry

- Gravity: 13.17 meters per second squared (1.35 Gs)
- Escape Velocity: 15.03 kilometers per second

Rotation and Revolution

- Period: 22.49 hours
- Axis Tilt: 22.04 degrees
- Orbiting: [Kepler Prime](#)
- Orbital Radius: 5.63×10^7 kilometers (0.38 Astronomical Units)
- Orbital Period: 3.84×10^3 hours (0.44 standard years)

Hydrosphere

- Water: 0%
- Ice: 0%

Atmosphere

- Type: Superdense Corrosive
- Pressure: 4.15 MegaPascals
- Composition:
 - 34.9% methane
 - 26.3% hydrogen
 - 24% ammonia
 - 9.3% argon
 - 5.4% nitrogen
 - trace other gases

Climate

- Type: Hot
- Minimum Temperature: 317 Kelvins (44 Celsius)
- Average Temperature: 319 Kelvins (46 Celsius)
- Maximum Temperature: 321 Kelvins (48 Celsius)

OOO Notes

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