

# Trios B

The only moon orbiting the gas giant of [Trios](#) in the [Paracrux](#), Trios B is a hellish world with extreme temperatures due to orbital friction and a superdense atmosphere that could crush even an [Abwehran](#). However, Trios B is large enough to be considered a planet in its own right.

## Planetary Statistics

### Physics

- Type: Large iron/silicate
- Radius: 10,270.86 kilometers
- Surface Area:  $1.33 \times 10^9$  square kilometers
- Land Area:  $1.34 \times 10^9$  square kilometers
- Mass:  $2.7 \times 10^{25}$  kilograms
- Density: 5.96 grams per cubic centimeter
- Composition:
  - 33.2% magnesium
  - 24.5% iron
  - 21.4% oxygen
  - 17.1% silicon
  - 3.9% other metals
  - trace other elements

### Gravimetry

- Gravity: 17.02 meters per second squared (1.74 Gs)
- Escape Velocity: 18.7 kilometers per second

### Rotation and Revolution

- Period: 27.92 hours
- Axis Tilt: 24.61 degrees
- Orbiting: [Trios](#)
- Orbital Radius: 266,300 kilometer
- Orbital Period: 48 hour

### Hydrosphere

- Water: 0%
- Ice: 0%

## Atmosphere

- Type: Superdense Reducing
- Pressure: 6.78 MegaPascals
- Composition:
  - 76.2% carbon dioxide
  - 23.8% methane
  - trace other gases

## Climate

- Type: Infernal
- Minimum Temperature: 345 Kelvins (71 Celsius)
- Average Temperature: 347 Kelvins (73 Celsius)
- Maximum Temperature: 347 Kelvins (74 Celsius)

## OOC Notes

This page was originally created on 2013/07/09 15:02 by [Abwehran Commander](#).

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Last update: **2023/12/20 18:22**

