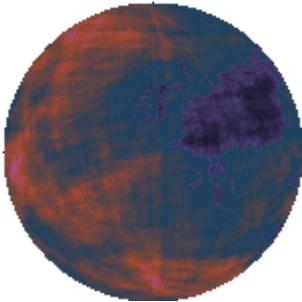


HX-12 II

HX-12 II is a planet in the [HX-12](#) system. Its warm surface temperatures stay fairly stable in due to a huge axial tilt. At the standard surface temperature, this atmosphere is both toxic due to the concentration of carbon dioxide, and narcotic due to the high pressure argon, but it contains enough Oxygen that with proper facemask respirators, humans can go outside without a full spacesuit; however, with almost 50% more gravity than standard, moving around can be physically exhausting. There is native life, most visible in the form of sturdy spike-shaped teal-colored fungus that dominates much of the arid surface.



History

In [YE 31](#), [Yarani Tasuku](#) of the [YSS Goban](#) was retrieved from this planet by the [YSS Eucharis](#) (Mission 6). He had been surviving in a modified [sup>_kylie_anti-armor_power_armor](#) and taking shelter in a crashed freighter starship. While they were there, they deployed an [Orbital Geological Survey Platform](#), which was destroyed by the [NMX](#) sometime during the [Second Mishhuvurthyar War](#).

The [NMX](#) once had a [small starport](#) on this planet; it was thought to be destroyed in a nuclear blast in [YE 34](#); however, the base was still inhabited until [YE 35](#) when it was destroyed by the [YSS Eucharis](#) via orbital bombardment.

Planetary Data

The following section contains statistical information on the planet.

Physics

- Type: Large iron/silicate
- Radius: 8898.34 km (1.40 x earth)
- Surface Area: 9.95×10^8 km²
- Land Area: 8.96×10^8 km² (6.01 x earth)
- Mass: 1.71×10^{25} kg (2.87 x earth)
- Density: 5.80 g/cm³ (1.05 x earth)

- Composition: 32.5% iron, 30.5% oxygen, 22.2% magnesium, 11.1% silicon, 3.7% other metals, trace other elements

Gravity

- Gravity: 14.37 m/s² (1.47 x earth)
- Escape Velocity: 15.99 km/s

Rotation

- Period: 39.16 hours
- Axis Tilt: 62.78 °

Hydrosphere

- Water: 11 %
- Ice: 1 %

Atmosphere

- Type: Dense toxic
- Pressure: 222.90 kPa (2.20 x earth)
- Composition : 44.5% argon, 33.2% carbon dioxide, 22.3% oxygen, trace other gases

Climate

- Type: Standard
- Min Temp: 295 K (22 °C, 72 °F)
- Avg Temp: 301 K (28 °C, 82 °F)
- Max Temp: 315 K (42 °C, 108 °F)

Biosphere

- Chemistry: Carbon
- Lifeforms: Microbes, fungi

Special Features

- Wreckage of a crashed starship

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