

# Sanctum

The Sanctum Star System has a 🌌 [K-type main-sequence star](#) as its sun and six orbiting planets. It is located in the far northeastern region of the [Kikyo Sector](#) in the grid square 2218.

## Star Data

The star of the Sanctum system is an orange dwarf. Below are the star's statistics.

- Name: Sanctum
- Type: K4 V
- Mass:  $1.442 \times 10^{30}$  kilograms<sup>1)</sup>

## Planetary Data

Below is the statistical information for the 6 planets in the Sanctum system.

Planetary Overview		
Order	Name	Type
1	Obsidian	Telluric
2	<a href="#">Sirris VI</a>	Telluric
3	Crystaria	Ice Giant
4	Vernia	Dwarf
5	Phosphorus	Telluric
6	Korusiel	Dwarf

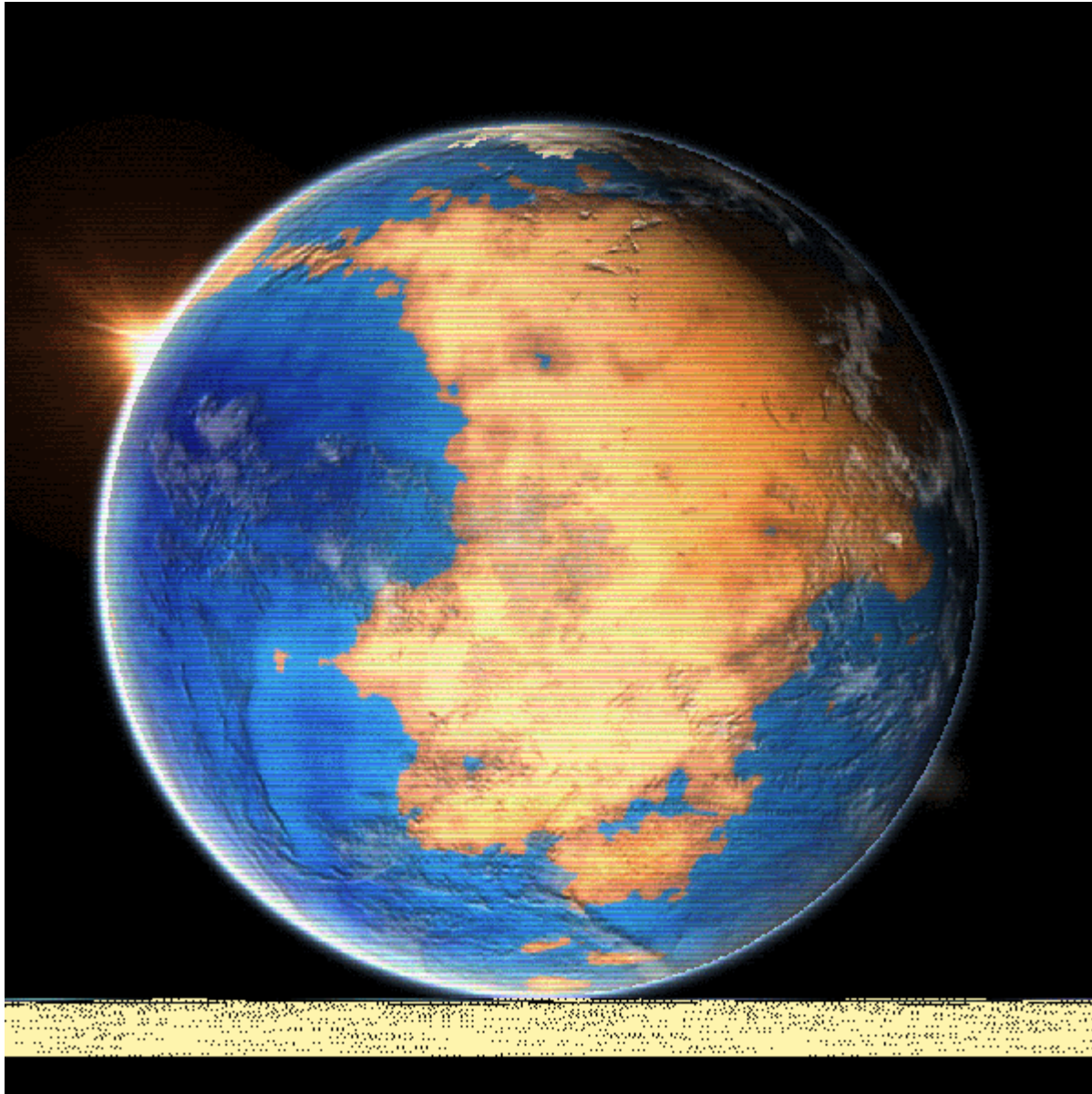
### Obsidian

Obsidian is a planet with a thin, toxic atmosphere that lurks close to Sanctum.

- Type: Rocky Planet
- Orbital Radius: 14.96 million kilometers<sup>2)</sup>
- Mass:  $2.66 \times 10^{24}$  kilograms<sup>3)</sup>
- Period: 0.19 years
- Gravity: 7.64 meters/second<sup>24)</sup>
- Planetary Population: N/A
- Natural Satellites: 1
- Facilities: N/A
- Average Surface Temperature: 493 °C<sup>5)</sup>

## Sirris VI

For more information, see [Sirris VI](#).



- Type: Rocky Planet
- Orbital Radius: 85.271 million kilometers<sup>6)</sup>
- Mass:  $5.939 \times 10^{24}$  kilograms<sup>7)</sup>
- Radius: 6,371 kilometers<sup>8)</sup>
- Period: 0.715 years
- Gravity: 9.804 meters/second<sup>29)</sup>
- Planetary Population: 2.8167 billion [Gunja](#), several million others.
- Natural Satellites: 3 moons
- Facilities: Planetside military bases, 10x NDC orbital shipyards, 3x CSW Orbital shipyards
- Average Surface Temperature: 21 °C<sup>10)</sup>

## Items of Interest

The bulk of the NDC's shipyards orbit Sirris VI, these shipyards work to churn out starships for the [C.A.F.F.](#), and are visible from the surface as a cluster of bright dots in the night sky.

## Crystaria

Crystaria is a massive ice/gas giant that is impossible to land on and thus completely uninhabitable.

- Type: Ice Giant
- Orbital Radius: 912.39 million kilometers<sup>11)</sup>
- Mass:  $1.02 \times 10^{27}$  kilograms<sup>12)</sup>
- Period: 22 years
- Gravity: 21 meters/second<sup>213)</sup>
- Planetary Population: N/A
- Natural Satellites: 46
- Facilities: N/A
- Average Surface Temperature:  $-83\text{ }^{\circ}\text{C}$ <sup>14)</sup>

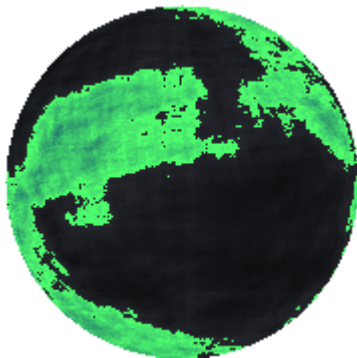
## Vernia

Vernia is a dwarf planet.

- Type: Dwarf Planet
- Orbital Radius: 1.74805 billion kilometers<sup>15)</sup>
- Mass:  $4.1 \times 10^{23}$  kilograms<sup>16)</sup>
- Period: 17 years
- Gravity: 3.7963 meters/second<sup>217)</sup>
- Planetary Population: N/A
- Natural Satellites: 5
- Facilities: None
- Average Surface Temperature:  $-350\text{ }^{\circ}\text{C}$ <sup>18)</sup>

## Phosphorus

Phosphorus is a volcanic planet constantly battling the cold of space. Its most notable feature is the overwhelming presence of bio-luminescent bacteria. A broken-down alien space station - built by an unknown species - is in orbit around this planet.



- Type: Volcanic/Ice Rocky Planet
- Orbital Radius: 2.46463 billion kilometers<sup>19)</sup>
- Mass:  $4.42 \times 10^{24}$  kilograms<sup>20)</sup>
- Period: 21 years
- Gravity: 8.53 meters/second<sup>221)</sup>
- Planetary Population: N/A
- Natural Satellites: 11
- Facilities:
  - [Noval Station](#)
  - Unknown alien space station
  - 3x Orbital Shipyards
- Average Surface Temperature: -214 °C<sup>22)</sup>

## Items of Interest

[Noval Station](#) and three [Noval Heavy Industries](#) shipyards orbit this dwarf planet, mining its many satellites to provide building materials for the large capital ships produced there. In addition to this, an enigmatic alien station orbits the planet.

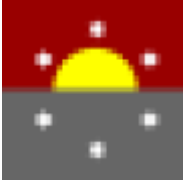
## Korusiel

Korusiel is a colossal dwarf planet and potentially one of the biggest known, not having cleared its neighborhood. It's classed as a dwarf planet due to being in the center of an enormous asteroid field. The [NDS Ravenaca's Watch](#) engaged in a training exercise in this asteroid belt, encountering pirates and mysterious metal constructs.

- Type: Ice Dwarf Planet
- Orbital Radius: 3.72317 billion kilometers<sup>23)</sup>
- Mass:  $5.75 \times 10^{24}$  kilograms<sup>24)</sup>
- Period: 34 years
- Gravity: 8.82 meters/second<sup>225)</sup>
- Planetary Population: N/A
- Natural Satellites: 0
- Facilities: N/A
- Average Surface Temperature: -223 °C<sup>26)</sup>

## OOC Notes

[Lijosu](#) created this article on 2018/08/29 21:57; Frostjaeger [approved](#) it (using the [checklist](#)) on 2018/09/27 17:37.

Map Locations	
<b>Map to Use</b>	Kikyo Sector
<b>Map Display Name</b>	Sanctum
<b>Map Coordinates</b>	2250,1844
<b>Map Importance</b>	Landmark
<b>Map Marker</b>	
<b>Map Tooltip Content</b>	Capital of the NDC
<b>Show label?</b>	yes
<b>Color</b>	
<b>Marker Anchor</b>	Bottom Center
<b>Places of the SARPiverse</b>	
<b>Opened/Settled (YE)</b>	<a href="#">YE 41</a>
<b>Place Categories</b>	star system

1)

Roughly equivalent to  $3.179 \times 10^{30}$  pounds.

2)

Equivalent to 0.10000142335 astronomical units or 9.30 million miles.

3)

Roughly equivalent to 0.44 M  $\oplus$  or  $5.86 \times 10^{24}$  pounds.

4)

Roughly equivalent to 0.78 g or 25.07 feet/second<sup>2</sup>.

5)

Roughly equivalent to 919 °F.

6)

Equivalent to 0.57 astronomical units or 52.985 million miles.

7)

Roughly equivalent to  $1.309 \times 10^{25}$  pounds.

8)

Roughly equivalent to 3,959 miles.

9)

Roughly equivalent to 0.998 g or 32.165 feet/second<sup>2</sup>.

10)

Roughly equivalent to 70 °F.

11)

Equivalent to 6.09895044449 astronomical units or 566,932,862.09 miles.

12)

Roughly equivalent to  $2.25 \times 10^{27}$  pounds.

13)

Roughly equivalent to 2.14 g or 69 feet/second<sup>2</sup>.

14)

Roughly equivalent to -117 °F.

15)

Equivalent to 11.68499251908 astronomical units or 1.08619 billion miles.

16)

Roughly equivalent to  $9.0 \times 10^{23}$  pounds.

17)

Roughly equivalent to 0.3196 g or 12.4551 feet/second<sup>2</sup>.

18)

Roughly equivalent to -598 °F.

19)

Equivalent to 16.47503395916 astronomical units or 1.53145 billion miles.

20)

Roughly equivalent to 0.74 M ⊕ or  $9.74 \times 10^{24}$  pounds.

21)

Roughly equivalent to 0.87 g or 27.99 feet/second<sup>2</sup>.

22)

Roughly equivalent to -353 °F.

23)

Equivalent to 24.88785423602 astronomical units or 2.31347 billion miles.

24)

Roughly equivalent to 0.96 M ⊕ or  $1.27 \times 10^{25}$  pounds.

25)

Roughly equivalent to 0.90 g or 28.94 feet/second<sup>2</sup>.

26)

Roughly equivalent to -369 °F.

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