

# SX-02 “Nephis”

This system is located about 10 light years east of [SX-01 “Vale”](#), it was explored by the [Scientific Studies Service \(SSS\)](#) in [YE 31](#). It was the second to be explored by an expedition led by the [YSS Kotoba YX-C1-0005](#) as part of [Project Kyasshu](#). When the [Yamatai Star Empire](#) pulled out of the system in [YE 41](#), the [New Dusk Conclave](#) moved into the system.

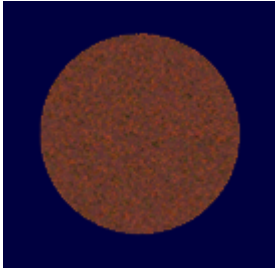


Nephis is a healthy star system with the star in the middle of its life cycle.

## Star

| Heading        | Details  |
|----------------|--|
| Type:          | G0 (Spectral Class)  |
| Size:          | V  |
| Stellar radii: | 1.03   |
| Stellar mass:  | 1.04   |
| Temp:          | 6,000 <sup>o</sup> K   |
| Image          | A large, bright yellow star with a glowing surface, set against a dark blue background. The star has a slightly irregular, textured appearance with some brighter and darker yellow areas, suggesting a fiery surface. It is centered within a square frame. |

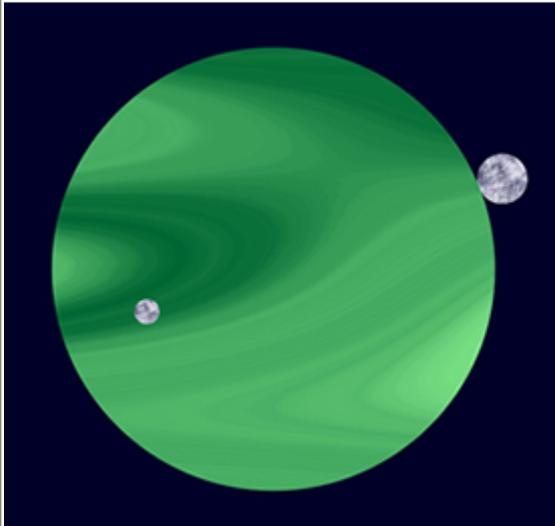
## Planet 1

| Heading               | Details   |
|-----------------------|---|
| Type:                 | Terrestrial   |
| Stellar radius:       | .4 AU   |
| Planetary radius:     | 3,387 km  |
| Surface gravity:      | .377 G  |
| Escape Velocity:      | 4.13 km/sec   |
| Rotation (day):       | 50 hr   |
| Length of year:       | .25 years (90.61 days)  |
| Number of satellites: | 0   |
| Image                 |  |

Average temp: 247.86° C This planet's atmosphere is extremely thin and composed of carbon dioxide, methane, and nitrogen.

## Planet 2

| Heading               | Details                 |
|-----------------------|-------------------------|
| Type:                 | Terrestrial             |
| Stellar radius:       | .7 AU                   |
| Planetary radius:     | 7,631 km                |
| Surface gravity:      | .875 G                  |
| Escape Velocity:      | 9.62 km/sec             |
| Rotation (day):       | 23 hr                   |
| Length of year:       | .57 years (209.76 days) |
| Number of satellites: | 2                       |

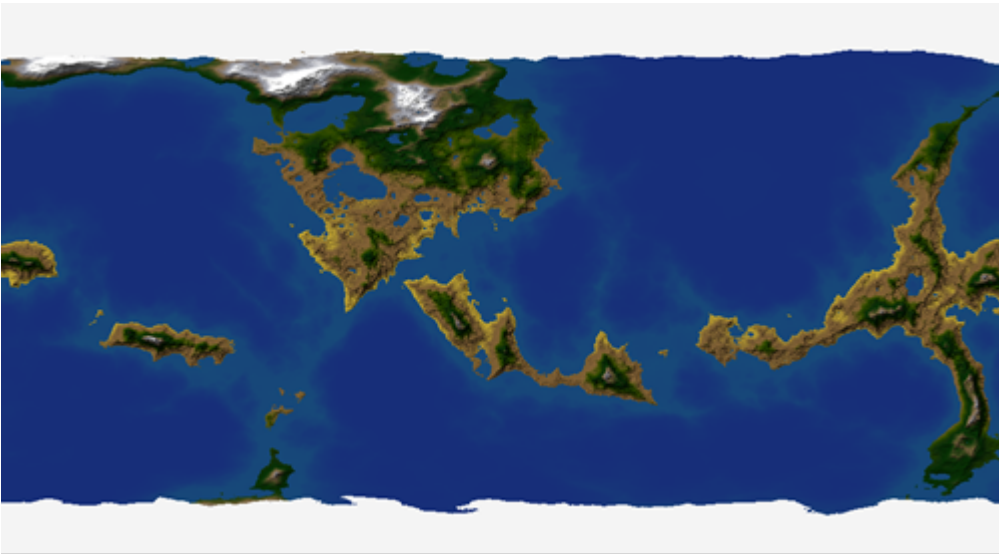
| Heading | Details   |
|---------|---|
| Image   |  |

Average temp: 520.7° C This planet's dense atmosphere is composed of nitrogen, oxygen, and carbon dioxide. It has dense clouds with high concentrations of carbonic acid that trap the heat in raising the planet temp.

Planet 3 (Daichi)

| Heading               | Details                  |
|-----------------------|--------------------------|
| Type:                 | Terrestrial              |
| Stellar radius:       | 1.1 AU                   |
| Planetary radius:     | 8,316 km                 |
| Surface gravity:      | 1.00 G                   |
| Escape Velocity:      | 11.00 km/sec             |
| Rotation (day):       | 26 hr                    |
| Length of year:       | 1.13 years (413.03 days) |
| Number of satellites: | 1                        |

Average temp: 14.89° C This planet's atmosphere is nitrogen, oxygen, and trace elements. The polar regions are ice covered, which covers approximately twenty-five percent of the surface. Oceans cover seventy-five percent of the surface. Land masses account for twenty-five percent of the surface, there are two major landmasses, and numerous smaller masses. Plant life is abundant. Oceans support a variety of marine life forms. A variety of animals are present on the land masses.



Items of Interest

There are two large inland seas present in the largest continent. Ruins of a pre-Empire culture were found to the south of the sea. There is a small growing settlement on Daichi called Arcadia, with a population of about several thousand people. Orbiting this planet are several shipyards from [Conclave Ship Works](#).


Planet 4

| Heading               | Details   |
|-----------------------|---|
| Type:                 | Small Gas Giant   |
| Stellar radius:       | 10.0 AU   |
| Planetary radius:     | 31,000 km   |
| Length of year:       | 31.01 years (11,325.92 days)  |
| Number of satellites: | 8 moons 2 rings   |
| Image                 | A colorful illustration of Planet 4, a small gas giant. The planet has a pink and blue surface with darker spots. It is surrounded by two rings, one green and one white. Several moons are orbiting the planet. The background is a dark blue space. |

Composition hydrogen, and helium.

## Items of Interest

Three [Noval Heavy Industries](#) shipyards orbit this planet, mining its rings and satellites to build vessels, and taking advantage of its outermost position in order to ship finished products more easily. These shipyards produce ships from Noval's civilian line of products, and also Cruisers.

| Map Locations            |   |
|--------------------------|---|
| Map to Use               | Kikyo Sector  |
| Map Display Name         | Nephis  |
| Map Coordinates          | 2050,1685   |
| Map Importance           | Minor RP Location   |
| Map Marker               |  |
| Map Tooltip Content      | NDC Colony  |
| Show label?              | yes   |
| Color                    |   |
| Marker Anchor            | Bottom Left   |
| Places of the SARPiverse |   |
| Opened/Settled (YE)      | <a href="#">YE 42</a>   |
| Place Categories         | star system   |

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