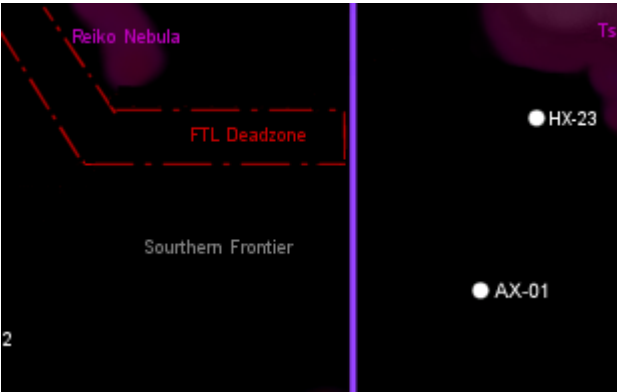


# AX-01

This star system is located south east of the [Samurai Sector](#). It was explored by the [YSS Aeon](#) in [YE 33](#).



## Star:

Heading	Details
Type:	G0 (Spectral Class)
Size:	V
Stellar radii:	2.5
Stellar mass:	1.04
Temp:	4,000K
Image	

## Planet 1


Heading	Details
Type:	Terrestrial

Heading	Details
Stellar radius:	.2 AU
Planetary radius:	1265 km
Surface gravity:	.122 G
Escape Velocity:	1.35 km/sec
Rotation (day):	10.94 days
Length of year:	.09 years ( 31.88 days)
Number of satellites:	0
Image	

Average Mean Temp: 463.66° C

This planet is has a temperature that would melt lead. It is bathed in the brutal heat of the star and swept by the solar wind. The surface is blackened and covered in stress fractures from the super-heating and cooling the planet endures.

## Planet 2

Heading	Details
	
Type:	Terrestrial
Stellar radius:	.41 AU
Planetary radius:	4186 km
Surface gravity:	.5 G
Escape Velocity:	5.49 km/sec
Rotation (day):	136 days
Length of year:	.26 years ( 93.58 days)
Number of satellites:	1
Image	

Average Mean Temp: 584.54° C

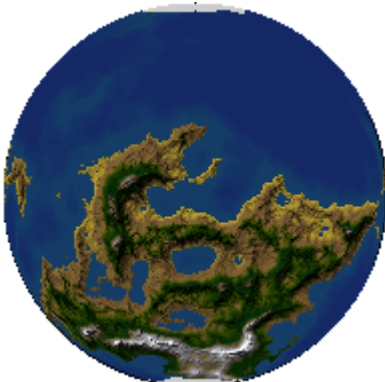
This planet possesses a poisonous atmosphere with clouds of sulfuric acid. Due to the dense cloud cover the greenhouse effect causes this planet to be hotter than the innermost world.

## Asteroid Field

Heading	Details
Type:	Rubble
Stellar radius:	.72 AU

In this orbit a massive rubble field exists. It is the remnants of a planet that was destroyed. The fragments range widely in size. Trailing the field the debris thins out and eventually there is none. The field only covers half of the orbit.

## Genus

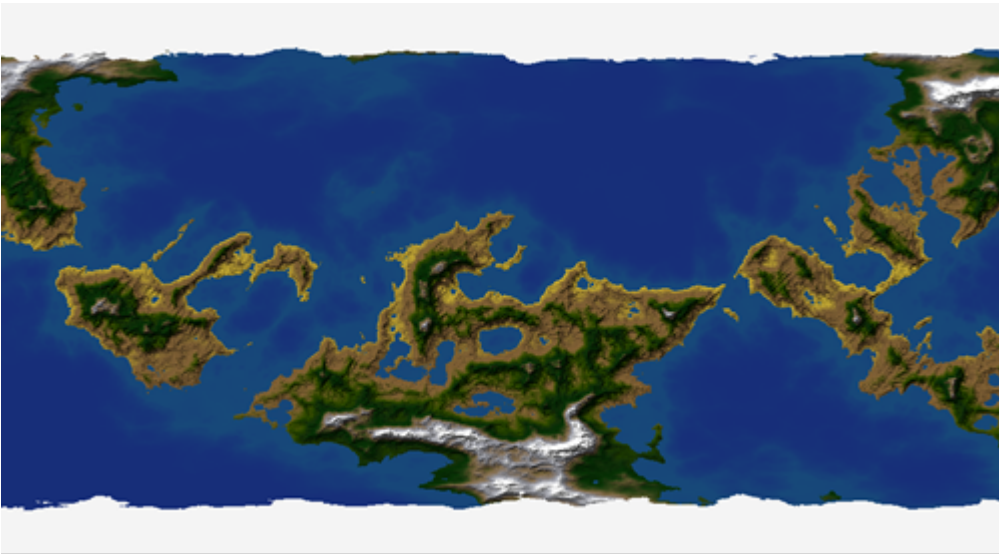
Heading	Details
Type:	Terrestrial
Stellar radius:	1.2 - 1.1 AU
Planetary radius:	8173 km
Surface gravity:	1.01 G
Escape Velocity:	11.05 km/sec
Rotation (day):	22 hours
Length of year:	1.28 years ( 468.56 days)
Number of satellites:	2
Image	

Average Mean Temp: 27.65° C - 41° C

Atmospheric composition: Oxygen, Nitrogen, and other trace elements.

This a lush planet with 60% of the surface covered in water. That planet as an elliptical orbit that varies by .1AU due to the shockwave when the inner planet exploded. Planet has rich mineral deposits. An extensive set of ruins exists on one continent.

See more details about [Genus](#).



Planet 4

Heading	Details
Type:	Large Gas Giant
Stellar radius:	AU
Planetary radius:	82,000 km
Length of year:	11.63 years (4,246.96 days)
Number of satellites:	rings moons
Image	

Planet 5

Heading	Details
Type:	Small Gas Giant
Stellar radius:	19.6 AU
Planetary radius:	33,000 km
Length of year:	85.09 years ( 31,078.33days)
Number of satellites:	rings moons
Image	

Planet 6

Heading	Details
Type:	Small Gas Giant
Stellar radius:	38.8 AU
Planetary radius:	47,000 km
Length of year:	236.99 years ( 86,560.78 days)
Number of satellites:	rings moons
Image	

# OOC Notes

Authored by [Nashoba](#) and approved by [Wes](#) on Mar 4, 2010 <sup>1)</sup>

Places of the SARPiverse	
Place Categories	star system

<sup>1)</sup>  
<https://starmy.com/roleplay-forum/index.php?threads/yamatai-star-system-ax-01.4981/>

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