

Pacifica

The Pacifica system is a planetary system inside the [Pacifica nebula](#) in the southern portion of the [starmap](#). It has been partially settled by the [Exodus Fleet](#).

(Gridref 2501)



Star Data

What makes the Pacifica planetary system so interesting is its lack of a star. Instead of a star providing thermal energy to fuel life on planetary bodies, the fusion reactions of nearby young stars give off just the right amount of heat to facilitate life on its two terrestrial planets

The planets are trapped in an orbit around a point which does not exist, being pulled between a nearby young star cluster and a cluster of very dim, dying stars which are also nearby. The planets orbit around one of the Lagrange points between the two attractors, tidal forces causing them to rotate as normal planets would.

Planetary Data

There are 9 planets in this system. Below is their statistical information. Because they are not orbiting a star, their distance is given from the Lagrangian point which they orbit.

Only Hope and Prosperity are of any note, the rest are typical planets of their type.

Planetary data is unavailable to players until they explore the system.

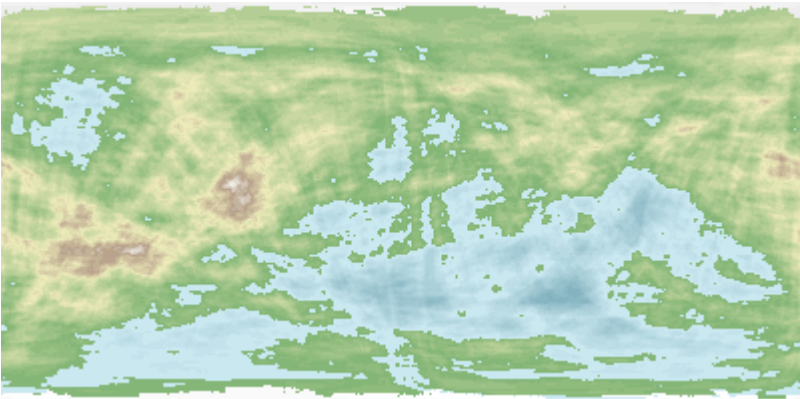
Planetary Overview					
Order	Name	Type	Distance	Mass	Radius
1	Pacifica 1	Rocky	4.88 x 10 raised to 7 km	3.8 x 10 raised to the 24 kilograms	3185 km
2	Hope	Terrestrial	9.56 x 10 raised to 7 km	6.0 x 10 raised to the 24 kilograms	7008.1 km
3	Prosperity	Terrestrial/oceanic	10.1 x 10 raised to the 7 km	6.5 x 10 raised to the 24 kilograms	8058 km
4	Pacifica 4	Rocky	1.9 x 10 raised to 8 km	3.5 x 10 raised to the 24 kilograms	3215 km
5	Pacifica 5	Rocky	2.1 x 10 raised to 8 km	4.1804 x 10 raised to the 25 kilograms	11150 km
6	Pacifica 6	Icy	2.5 x 10 raised to 8 km	1.1944 x 10 raised to the 25 kilograms	8110 km

Planetary Overview					
Order	Name	Type	Distance	Mass	Radius
7	Pacifica 7	Icy	2.9 x 10 raised to 8 km	5.3748 x 10 raised to the 25 kilograms	12150 km
8	Pacifica 8	Neptunian	3.2 x 10 raised to 8 km	1.9 x 10 raised to the 26 kilograms	25400 km
9	Pacifica 9	Gas giant	3.7 x 10 raised to 8 km	1.87696176 x 10 raised to the 27 kilograms	70491 km

Pacifica 1

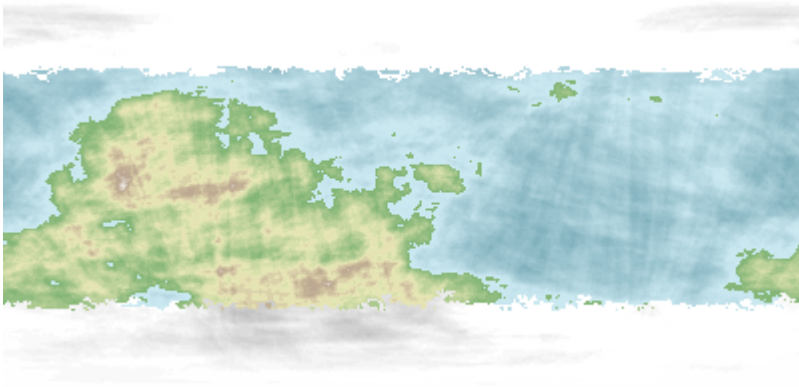
- Type: Rocky
- Orbital Radius: 4.88 x 10 raised to 7 km
- Rotational Period: 12 hours
- Orbital Period: 0.7 Earth years
- Gravity: .81 gees
- Planetary Population: 0
- Natural Satellites: None
- Facilities: None

Hope



- Type: Terrestrial/oceanic
- Orbital Radius: 9.56 x 10 raised to 7 km
- Rotational Period: 23.50 hours
- Orbital Period: 0.9 Earth years
- Gravity: .95 Gees
- Planetary Population: ~15,000
- Natural Satellites: 2 moons
- Facilities: 1 major city, several outlying settlements

Prosperity



- Type: Oceanic
- Orbital Radius: 10.1×10 raised to the 7 km
- Rotational Period: 30.73 hours
- Orbital Period: 1.1 Earth years
- Gravity: .79 Gees
- Planetary Population: 0
- Natural Satellites: None
- Facilities: None

Pacifica 4

- Type: Rocky
- Orbital Radius: 1.9×10 raised to 8 km
- Rotational Period: 11 hours
- Orbital Period: 1.3 Earth years
- Gravity: .873 gees
- Planetary Population: 0
- Natural Satellites: None
- Facilities: None

Pacifica 5

- Type: Rocky
- Orbital Radius: 2.1×10 raised to 8 km
- Rotational Period: 9 hours
- Orbital Period: 1.7 Earth years
- Gravity: .65 gees
- Planetary Population: 0
- Natural Satellites: None
- Facilities: None

Pacifica 6

- Type: Icy

- Orbital Radius: 2.5×10 raised to 8 km
- Rotational Period: 15 hours
- Orbital Period: 2.1 Earth years
- Gravity: .69 gees
- Planetary Population: 0
- Natural Satellites: None
- Facilities: None

Pacifica 7

- Type: Icy
- Orbital Radius: 2.9×10 raised to 8 km
- Rotational Period: 7.8 hours
- Orbital Period: 2.3 Earth years
- Gravity: .764 gees
- Planetary Population: 0
- Natural Satellites: None
- Facilities: None

Pacifica 8

- Type: Neptunian
- Orbital Radius: 3.2×10 raised to 8 km
- Rotational Period: 15 hours
- Orbital Period: 2.9 Earth years
- Gravity: .91 gees
- Planetary Population: 0
- Natural Satellites: None
- Facilities: None

Pacifica 9

- Type: Gas giant
- Orbital Radius: 3.7×10 raised to 8 km
- Rotational Period: 67 hours
- Orbital Period: 4.81 Earth years
- Gravity: 3.1 gees
- Planetary Population: 0
- Natural Satellites: None
- Facilities: None

OOC

Approved here:

<https://starmy.com/roleplay-forum/index.php?threads/pacifica-system-and-nebula.61941/>

Map Locations	
Map to Use	Kikyo Sector
Map Display Name	Pacifica
Places of the SARPiverse	
Place Categories	star system

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