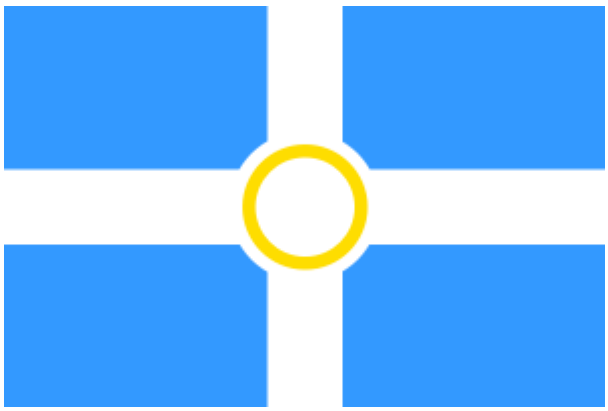
EX-1 Keren

Keren is an important adopted homeworld of the Elysians. It is located in grid 1016 on the Kikyo Sector map.



History

When the central government attempted to colonize this system in YE 30, they were surprised to discover that there were already 144,000 Elysians living on Keren. These Elysians had secretly moved to Keren during the Elysian exodus from Yamatai to Veritas around and before YE 16.

In YE 34, the Star Army of Yamatai built the Elysian Naval Arsenal on Keren III.

The Yamatai Star Empire placed a global communications network of Emrys Satellites into orbit in YE 36. Civilian cargo shipping is primarily provided by Trinary Star Shipping, which has storefronts in all of the planet's major cities.

Star System Data

Star EX-1

- Type A8 III White Giant
- Radius 7.38 x 106 km (10.61 x sol)
- Mass 7.59 x 1030 kg (3.82 x sol)
- Temperature 7900 K
- Luminosity 5.12 x 1028 W (133.83 x sol)

I

- Rock Planet

- Orbital Radius 6.54 x 108 km (4.37 AU)
- Period 4.09 x 104 hours (4.68 earth years)
- Gravity 10.10 m/s2 (1.03 x earth)
- Electromagnetic storms

II

- Rock Planet
- Orbital Radius 1.05 x 109 km (7.02 AU)
- Period 8.32 x 104 hours (9.52 earth years)
- Gravity 5.58 m/s2 (0.57 x earth)

Keren

- Type Terrestrial World
- Orbital Radius 1.55 x 109 km (10.38 AU)
- Period 1.50 x 105 hours (17.12 earth years)
- Physics Large iron/silicate
- Hydrosphere 59 % water, 16 % ice
- Atmosphere Dense breathable
- Biosphere Prokaryotic microbes
- Civilization Colony
- Special 2 small moons, 5 small moons

IV

- Rock Planet
- Orbital Radius 2.24 x 109 km (14.96 AU)
- Period 2.59 x 105 hours (29.62 earth years)
- Gravity 15.82 m/s2 (1.62 x earth)
- Advanced alien artifact, trace atmosphere

V

- Rock Planet
- Orbital Radius 3.72 x 109 km (24.84 AU)
- Period 5.54 x 105 hours (63.35 earth years)
- Gravity 16.98 m/s2 (1.74 x earth)
- 3 small moons

VI

- Asteroid Belt

- Orbital Radius 6.65 x 109 km (44.44 AU)
- Period 1.33 x 106 hours (151.65 earth years)

VII

- Type Ice Planet
- Orbital Radius 1.35 x 1010 km (89.93 AU)
- Period 3.82 x 106 hours (436.45 earth years)
- Gravity 14.78 m/s2 (1.51 x earth)
- Special Electromagnetic storms

VIII

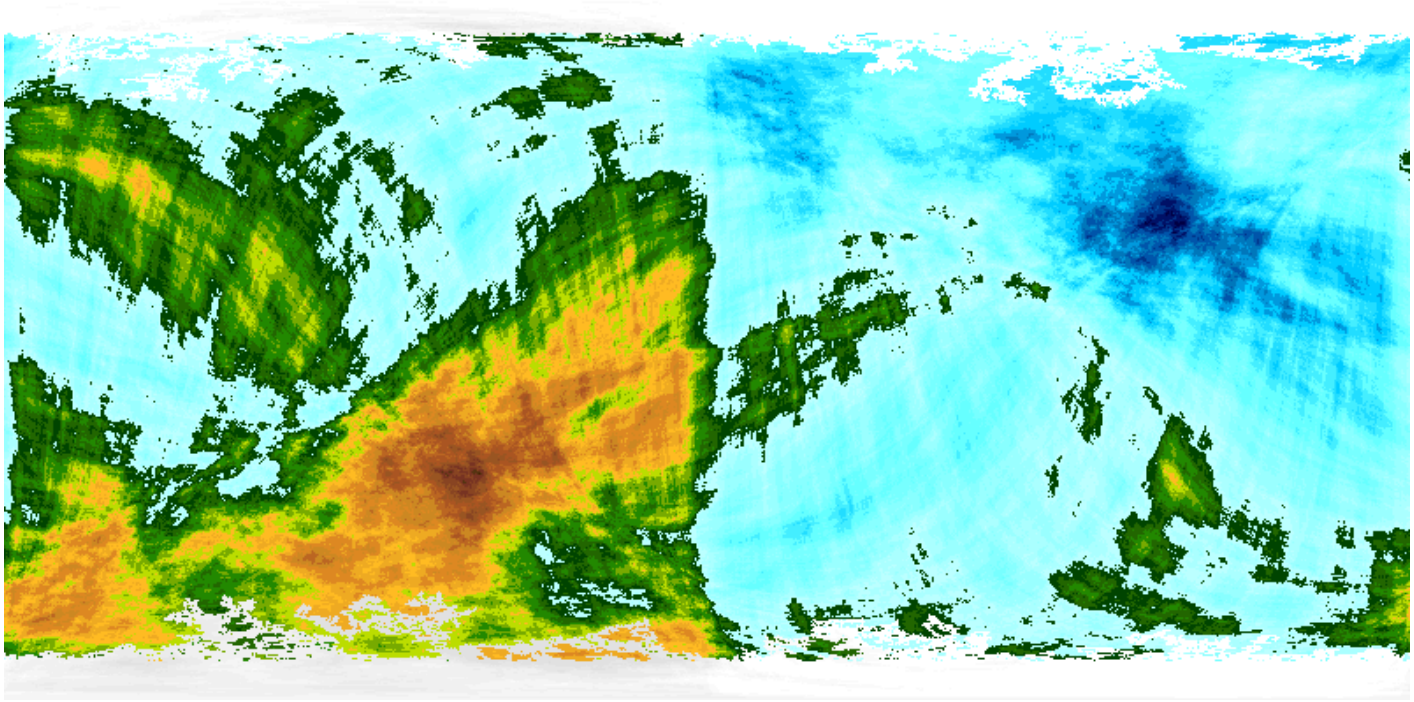
- Type Ice Planet
- Orbital Radius 2.94 x 1010 km (196.54 AU)
- Period 1.23 x 107 hours (1410.19 earth years)
- Gravity 10.04 m/s2 (1.03 x earth)
- Special 3 small moons

Distant Companion Star

- Type M1 V Red Dwarf
- Distance 1.46 x 1011 km (978.81 AU)
- Radius 2.90 x 105 km (0.42 x sol)
- Mass 6.73 x 1029 kg (0.34 x sol)
- Temperature 3300 K
- Luminosity 2.12 x 1025 W (0.06 x sol)

Planetary Data

Keren



Physics

- Type Large iron/silicate
- Radius 8774.34 km (1.38 x earth)
- Surface Area 9.67 x 108 km^2
- Land Area 4.06 x 108 km^2 (2.73 x earth)
- Mass 1.61 x 1025 kg (2.69 x earth)
- Density 5.68 g/cm^3 (1.03 x earth)
- Composition 45.0% iron, 27.7% oxygen, 13.0% silicon, 8.6% nickel, 2.2% other metals, 3.5% other elements

Gravimetry

- Gravity 13.86 m/s2 (1.42 x earth)
- Escape Velocity 15.60 km/s

Rotation

- Period 30.07 hours
- Axis Tilt 28.26 °

Hydrosphere

- Water 59 %

- Ice 16 %

Atmosphere

- Type Dense breathable
- Pressure 162.90 kPa (1.61 x earth)
- Composition 80.0% argon, 20.0% oxygen, trace other gases

Climate

- Type Cool
- Min Temp 228 K (-44 °C)
- Avg Temp 287 K (14 °C)
- Max Temp 295 K (22 °C)
- Biosphere
- Chemistry Carbon
- Lifeforms Prokaryotic microbes

Civilization

- Type Colony
- Population 144000
- Society Theocracy
- Tech Level Interplanetary (nuclear fusion, space colonies, nanotechnology)
- Special
- Features 2 small moons, 5 small moons

Places of the SARPiverse	
Place Categories	star system

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