

Neue Jaspis

One of four solar systems discovered by the four Kretor Scouts launched from Jaspis in early [YE 30](#), Neue Jaspis was named by the Captain of the HMS Kretor in honor of the home system. Though not exactly like the home system at all, Neue Jaspis was mainly named because of the large ring of asteroids found in system.

This system is also a home to, and completely run by a single rogue [SI](#) known as Invalid, which has thoroughly dug itself in one of the gas giants' moons. The Relay Moon as it is called, is saturated with subterranean complexes and [Nonvolitional Units](#), and is hidden from scrying scanners by an array of powerful ECM systems, backed up by a number of surface-to-orbit defenses. Invalid is notoriously private, and will often open fire on anyone that enters the moon's orbit, with only a few seconds warning in advance.

Most of the asteroid belts and moons in the system are also infected with a rogue strain of [Junker Drones](#), supposedly introduced by Invalid. These drones grow in colonies (drone factory and controller facilities) upon many of the system's spaceborne and surface metal rich regions, but have an insatiable taste for stripping down technology for component parts to recycle – which poses a considerable risk to any interstellar visitors.

Since [259 AF - Fourth Quarter / YE 30](#), when the [SI](#) Invalid and the [HMS Fearless](#) made contact, relations between Invalid and the [Abwehran Star Empire](#) have been variable. Negotiations between [Abwehran](#) representatives and the SI were often plagued with misunderstandings and sometimes even downright hostility. Matters were made even more difficult when one Representative signed off on the Ersteflotte's First Battle Group to perform “War Exercises” within the System. However, with new politicians being elected, new policies might be on the rise.

Star System Data

Neue Jaspis Prime



- Type: K3 IV Orange Subgiant
- Radius: 1.57×10^6 kilometers (2.26 x sol)
- Mass: 1.47×10^{30} kilograms (0.74 x sol)
- Temperature: 4400 Kelvin
- Luminosity: 2.91×10^{27} W (7.60 x sol)

Planetary Data

Neue Jaspis I

SEE: [Neue Jaspis I](#)

- Type: Terrestrial World
- Orbital Radius: 5.09×10^8 kilometers (3.40 Astronomical Units)
- Period: 6.39×10^4 hours (7.31 standard years)
- Gravity: 13.29 m/s² (1.36 G)
- Population: n/a
- Facilities:
 - None

Neue Jaspis II

- Type: Jovian
- Orbital Radius: 1.65×10^9 kilometers (11.00 Astronomical Units)
- Period: 3.71×10^5 hours (42.47 standard years)
- Gravity: 22.40 m/s² (2.29 G)
- Special:
 - Electromagnetic Storms
 - Planetary Rings
- Satellites:
 - Neue Jaspis IIa; [Class P Asteroid](#); 133,584 kilometer orbital radius; 12 hour orbital period
 - Neue Jaspis IIb; [Class D Asteroid](#); 185,404 kilometer orbital radius; 22 hour orbital period
 - Neue Jaspis IIc; [Class D Asteroid](#); 237,950 kilometer orbital radius; 27 hour orbital period
 - Neue Jaspis IId; [Class D Asteroid](#); 377,393 kilometer orbital radius; 48 hour orbital period
 - [Relay Moon](#); Moon; 527,108 kilometer orbital radius; 96 hour orbital period
 - [Neue Jaspis IIe](#); Moon; 671,034 kilometer orbital radius; 85 hour orbital period
 - [Neue Jaspis IIg](#); Moon; 1,070,412 kilometer orbital radius; 170 hour orbital period
 - [Neue Jaspis IIh](#); Moon; 1,221,930 kilometer orbital radius; 383 hour orbital period
 - [Neue Jaspis IIf](#); Moon; 1,481,010 kilometer orbital radius; 504 hour orbital period
 - Neue Jaspis IIj; [Class V Asteroid](#); 11,355,316 kilometer orbital radius; 1.08×10^4 hour orbital period
 - Neue Jaspis IIk; [Class V Asteroid](#); 12,869,700 kilometer orbital radius; 1.31×10^4 hour retrograde orbital period
 - Neue Jaspis IIl; [Class V Asteroid](#); 16,418,000 kilometer orbital radius; 4.78×10^4 hour orbital period
 - Neue Jaspis IIm; [Class V Asteroid](#); 20,900,000 kilometer orbital radius; 6.78×10^4 hour retrograde orbital period

Celestial Data

Grand Asteroid Field

An area of space around Neue Jaspis Prime that is comprised of three separate Asteroid Belts in consecutive orbits.

NJAF-1



Orbiting Neue Jaspis Prime at an Orbital Radius of 1.07×10^8 kilometers (0.72 Astronomical Units), NJAF-1 is mostly comprised of [Class C Asteroids](#).

NJAF-2



With an Orbital Radius of 2.15×10^8 kilometers, or 1.44 Astronomical Units, NJAF-2 is located between NJAF-1 and NJAF-3 and orbits in a retrograde manner every 1.76×10^4 hours (2.01 standard years).

NJAF-3



The final belt of the Grand Asteroid Field, NJAF-3 has an orbital radius of 3.06×10^8 kilometers (2.05 Astronomical Units) and orbits at a period of 2.98×10^4 hours, or 3.41 standard years.

Outer Asteroid Field

An area of space between [Neue Jaspis I](#) and Neue Jaspis II that is comprised of two asteroid fields.

NJAF-4



Orbiting its star every 1.49×10^5 hours (17.04 standard years), NJAF-4 has an orbital radius of 8.95×10^8 kilometers, or 5.98 Astronomical Units.

NJAF-5



Every 1.32×10^5 hours, or 15.14 standard years, an asteroid belt labeled NJAF-5 orbits Neue Jaspis Prime at a radius of 1.35×10^9 kilometers (9.02 Astronomical Units).

Neue Jaspis II Trojans



On the same orbital path as Neue Jaspis II, clusters of asteroids both lead and follow the gas giant. These clusters contain many [Class C](#) and [Class V Asteroids](#) suitable for exploitation.

System Oddities and Hazards

Notable objects and sentient beings that ply the system.

Trawler Convoys

The moons of the system are persistently ravaged by fully autonomous refinery trawlers that strip-mine available deposits on the planet. These trawlers are usually accompanied by a pair of mobile orbital defense lasers and a small NU-Automaton detachment to fend off potential scavengers. These tracked convoys generally move to a new deposit every few weeks, carving a jagged path of ecological destruction as they make their way across the surface.

Once sufficient raw ore has been smelted the trawlers will then mold the ores into a 250-ton round composed of inter-locking 5-ton pieces, which is all encased in a ferrous-alloy heat resistant casing.

These rounds are launched into orbit using the trawler's dorsal mass driver system, on such a trajectory as to be impact specific [maria](#) on the surface of the Relay Moon. The inter-locking pieces of the round are designed to break apart and scatter upon entry so as to create a large number of smaller impacts rather than a potentially destructive combined shockwave. Once the material has landed it can then be dug up and retrieved by autonomous drones, then re-smelted and put to use.

Strain Junkers

The system is thoroughly saturated by an aggressive rogue strain of [Junker Drones](#). This strain is different from traditional Junkers in that their colonies have learned to process and refine raw ores, so their growth isn't limited merely to scrap fields; they have spread to just about every moon and asteroid belt in the solar system. The origin of this strain is unknown, but it seems likely the cause is either corrupted code due to Invalid's negligence for its fledgling nation, or an older experiment simply released into the wilds of space.

At first glance these drones appear to be a means of defending the system against unwanted intrusion, but careful observation reveals they will sometimes attack Relay Moon vessels as well. For the most-part they leave the Relay Moon's operations alone, as colony drone controllers have quickly learned that Invalid will not hesitate to retaliate for raids on Relay Moon assets; in addition to defenses destroying most of the raiding force, the damage costs will be returned tenfold using interplanetary missile artillery and orbital defenses.

Since Invalid has no interest in large-scale expansion it hasn't deemed it worthwhile to undertake systematic drone extermination efforts. Just the opposite; the drones not only deter potential intruders, their raids make it cost-ineffective for any outsiders to exploit the system's resources.

Rumors and Events

Role Play Opportunities for Independent Plots and/or Rest & Relaxation Arcs in Factional Plots.


Notes: This section is open to whoever wants to add to it.

YE 35

- Tensions between the SI Invalid and the [Abwehran Star Empire](#) have been pretty heated recently due to misunderstandings, failed negotiations, random Junker attacks, and even the First Battle Group being used in "showing the flag". However, things look like they're just starting to cool down with the Battle Group being pulled out.
- [Neue Jaspis I](#) and [Neue Jaspis IIh](#) both have the potential of sustaining life, but have been left unexplored due to tensions.
- Junkers have been more coordinated in their "exploration" recently leading some to believe that one of their kind has gotten an "upgrade".

OOC Notes

 Individuals are free to add Rumors and Events to this page. 

Map Locations	
Map to Use	Kikyo Sector
Map Display Name	Neue Jaspis
Map Coordinates	1556,1895
Map Importance	Major RP Hub
Map Marker	
Map Tooltip Content	Relay Moon
Show label?	yes
Marker Anchor	Bottom Center
Places of the SARPiverse	
Place Categories	star system

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Last update:

2023/12/20 18:22

