Nextworld: The Next Frontier

(work in progress subject to change)

**System Information**

* **Wormhole:** (One-way) worm hole leads from the Sol System to the NextSystem.
* **Bianary Star System (NextStar A and NextStar B)**
  + **NextStar A:** Principal member of the binary system. Slightly larger and more luminous than Sol. Yellowish in colour. About 10 percent more massive than the Sun with a radius about 20 percent larger. Visual magnitude of +0.01
    - 2 inner rocky planets and three outer gas giants orbit NextStar A.
  + **NextStar B:** companion star (secondary star) of the binary system. Slightly smaller and less luminous than the Sun. About 90 percent the mass of the Sun and 15 percent smaller in radius. Visual magnitude of 1.33
    - Five rocky planets and three gas giants orbit NextStar B
* NextGiant: second of three gas giants and fourth planet orbiting NextStar A in the nextSystem. Slightly smaller and denser than Jupiter. 11 moons in total **Nextworld is the 5th moon.**
  + **NextWorld:**
    - Atmosphere (breathable, non-toxic). Earthlings would find it difficult to breath without a mask though.
    - Slightly less gravity than the earth (10% less)
    - Temperatures are warmer than that of earth
      * Every 10 years there is a 4-year cooling (temperatures drop by up to 50 percent)
      * Polar Ice caps grow, and snowfall becomes common in many reasons
    - Has all the same Terrain features as earth.
      * Additional terrain features include the Floating mountains (region that contains rocks and mountains that seem to defy gravity)
      * The living Forest contain many forms of “sentient” plant life. Including various forms of carnivorous plants.
      * Many species of Flora and Fauna are bio-luminescent
      * Rains slightly more than on earth.

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| **NextWorld** | | | |
| **Planet Information** | | | |
| **Info** | 5th of the 11 moons surrounding the gas giant (NextGiant).  Has an atmosphere which supports life and is non-toxic. However, any visitor from Earth would find the atmosphere difficult to breath without a mask. | | |
| **Known Species** |  | | |
| **Orbital Period** | 158.528 earth days | | |
| **Average orbital speed** | 29.78 km/s  (107200 km/h; 66600 mph) | | |
| **SpectralType** | “G2V” | | |
| **Radius** | 589800 km | | |
| **Surface temp.** | **Min** | **Mean** | **Max** |
| **Kelvin** | 194K | 294.1K | 603.2K |
| **Celsius** | -79.2C | 20.9C | 65.9C |
| **Fahrenheit** | --110.56F | 69.62F | 150.62F |
| **Atmosphere** | | | |
| **Surface pressure** | 94.325 kPa | | |
| **Composition by**  **volume** | 79.08 % nitrogen  18.95% oxygen  0.930% argon  0.1402% carbon dioxide  ~ 1% water vapor (climate-variable) | | |