

Mitigating solar wind

Image

I read an article that proposes deploying a really, really strong magnet at the first Lagrange point, between a planet and its star, in order to shield the planet from solar wind. It occurred to me that you could create a mini sun with a magnetic field and provide naturalistic daylight as well as protection from solar wind.

Of course, the further away the mini sun is, the more powerful it would have to be to approximate daylight on an inner planet. Even in low orbit (about 500 miles up on Earth) it would have to be in the petawatt range. But I'm sure the hearthkeepers are up to the task. This would be part of the infrastructure owned by the Bright Way during the Age of Decadence. Since this sort of stuff would be extra necessary for Moonlitter's moons and dwarf planets in the Outer Belt, I can see the mismanagement or abuse of this infrastructure by the Bright Way as a major contributor to the unrest that leads to the war.

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