



Smithsonian Associates

The Private Space Industry Revolution Friday, September 23, 2022

Indigenous astronomy knowledge: <https://mfnerc.org/product/tipiskawi-kisik-night-sky-star-stories/>, <https://nativeskywatchers.com/>

Light pollution maps: <https://www.cleardarksky.com/>

Current Starlink count, with orbits and statistics:
<https://planet4589.org/space/stats/star/starstats.html>

Analysis of Starlink affordability: <https://arxiv.org/pdf/2011.05168.pdf>

My recent research paper on satellite light pollution:
<https://iopscience.iop.org/article/10.3847/1538-3881/ac341b>

An article I wrote for the general public about that paper:
<https://theconversation.com/soon-1-out-of-every-15-points-of-light-in-the-sky-will-be-a-satellite-170427>

All the code from our research paper: <https://github.com/hannorein/megaconstellations/>

A webapp to simulate satellite light pollution, based on our paper:
<http://megaconstellations.hanno-rein.de/>

An Apple app to simulate satellite light pollution, based on our paper:
<https://apps.apple.com/us/app/mega-constellations/id1598820453>

Videos of the simulations from our research paper: <https://uregina.ca/~slb861/satcon.html>

A recent research paper on satellite pollution: <https://www.nature.com/articles/s41598-021-89909-7>

Terrifying real-time data of satellite near-collisions:
<http://astriacss03.tacc.utexas.edu/ui/min.html>

The new IAU Centre for the Protection of Dark and Quiet Skies from Satellite Megaconstellations: <https://cps.iau.org/about/>