



Smithsonian Associates

The Private Space Industry Revolution Friday, September 16, 2022

Nature Perspective (Lawrence, Rawls, Jah, et al. 2022):

<https://www.nature.com/articles/s41550-022-01655-6> (also available without paywall at <https://arxiv.org/abs/2204.10025>)

Another relevant Nature Perspective (Venkatesan et al. 2020):

<https://www.nature.com/articles/s41550-020-01238-3>

Satellite impacts on Rubin Observatory (Tyson et al. 2020):

<https://iopscience.iop.org/article/10.3847/1538-3881/abba3e/meta>

Mroz et al. 2022 paper on ZTF impacts: <https://iopscience.iop.org/article/10.3847/2041-8213/ac470a>

Rawls et al. 2020 research note: <https://iopscience.iop.org/article/10.3847/2515-5172/abc48e/meta>

Four reports mentioned in “Addressing the impact of satellite constellations on astronomy” slide

1. SATCON1: <https://baas.aas.org/pub/2020i0206/release/1>
2. Dark and Quiet Skies I: <https://www.iau.org/static/publications/dqskies-book-29-12-20.pdf>
3. SATCON2: <https://baas.aas.org/report-of-the-satcon2-workshop-1216-july-2021>
4. Dark and Quiet Skies II: <https://noirlab.edu/public/products/techdocs/techdoc051/>

Astro2020 Decadal Survey, which includes prioritizing satellite constellation mitigation work: <https://www.nationalacademies.org/our-work/decadal-survey-on-astronomy-and-astrophysics-2020-astro2020>

Full size handout PDF shown in “Key approaches” slide:

<https://aas.org/sites/default/files/2022-06/Satcon%20Leave-Behind%20Final.pdf>

SpaceX’s “best practices” document: <https://api.starlink.com/public-files/BrightnessMitigationBestPracticesSatelliteOperators.pdf>

IAU CPS website, including info for how to join: cps.iau.org

Trailblazer, where you can view images with streaks (and upload them in FITS format):

trailblazer.dirac.dev

Josh Sokol’s article “The Fault in Our Stars”: <https://www.science.org/content/article/satellite-swarms-are-threatening-night-sky-creating-new-zone-environmental-conflict>