Nightime Satellite Data Sources

20240114

1. VIIRS H5 data – not geolocated - descending are night

<https://www.avl.class.noaa.gov/saa/products/search?datatype_family=VIIRS_SDR>

1. USGS Landsat data <https://earthexplorer.usgs.gov/>
2. EOG VIIRS nighttime lights (VNL) <https://eogdata.mines.edu/products/vnl/>
   1. Nightly mosaics
   2. Monthly cloud-free composites
   3. Annual cloud-free composites with fires and background removed (v.2)
3. EOG Boat Detection Data (VBD) <https://eogdata.mines.edu/products/vbd/> Data are open access after ~60 days. To get near-real time data get a regional alert subscription delivered by email.
4. EOG VIIRS Nightfire (VNF) <https://eogdata.mines.edu/products/vnf/> Access requires a license, issued for free to students and university faculty.
5. VNF web map service GIREE (Global Infrared Emitter Explorer) temporal profiles for individual sites classified by type and country summaries. Requires VNF license.
6. EOG’s VIIRS collection time predictor https://eogdata.mines.edu/predict/