

Mapping and Visualization of Satellite Data

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NOAA operates several satellites used to monitor the earth system. From variables in the atmosphere to protection of coral reefs, Satellite provides global coverage to help us predict changes to our environment. At CCNY, CREST has a direct Readout Facility that collects and processes all these data directly from the satellite.

Students will learn how to use multiple tools to visualize and process data from GEO and Leo Satellite. The generated images can be converted into a gif/movie clip showing environmental changes. Project will include reading data, remapping the data and creating maps/images.