The University of Wisconsin-Madison Space Science and Engineering Center (SSEC) Data Center provides real-time and archive satellite data images and products to University, NOAA, and NASA researchers and commercial interests. The SSEC Data Center has ingested, redistributed, archived, and processed satellite data for over 35 years.

Data can be accessed using any software that can access ADDE servers.

**Archive Data Access**

All geostationary data received at UW SSEC are archived and stored online for rapid access by networked clients. A publicly available metadata inventory allows users to inspect and preview images in the Data Center’s archive covering 35+ years of geostationary satellite data holdings. Starting in late 2015, all of the geostationary satellite data in the UW SSEC archive will be available for free via ADDE. To access these data, sites will need to register for an access key, and daily data limits will be enforced. Only data older than 6 months old will be freely available. Data will be accessible via McIDAS-X, McIDAS-V, or any other client that supports ADDE.

UW SSEC is currently developing two ways to access these data using Python:
1. McIDAS-X within Python.
2. Python direct access to ADDE datasets and returns netcdf3 files.

**Real-time Data Access**

The SSEC Data Center receives data from 11 different geostationary satellites and serves that data in near real-time. These data are received via domestic communication satellite relays, internet relays, and through the NOAA Data Distribution Server (DDS). The data supports several University, NASA, and NOAA projects including a test distribution to NOAA NWS forecast offices. Data can be accessed through the UW SSEC Datacenter via real-time subscription.

**Geostationary Satellite Data available**

- GOES-East, West, Test
- GOES-R (starting in 2016)
- Meteosat-Prime
- Meteosat IODC
- MTSAT-1R,2
- Himawari-8
- COMS-1
- FY2-D,E
- Kalpana
- Insat-3D

http://www.ssec.wisc.edu/datacenter