

VIIRS and MODIS

Data Browser (Main Window)



Consecutive granules can be opened together. User sees multiple files as one continuous granule.



Channel Combination Tool



Window size, image display zoom and translation can be linked(default) or modified independently.



Transect Tool





A Desktop Application for Remote Sensing Research and Education

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Examples from SSEC/CIMSS Remote Sensing Theory Bootcamp

Works with:

- VIIRS, ATMS, CrIS SDR (SSEC PEATE and Direct Broadcast, CLASS)
- MODIS L1B 1km, hkm, qkm
- Selected MODIS L2 products
- IASI L1C (HDF5)
- AIRS L1B and Retrieval

Built-in support for HDF5/4, *NetCDF3/4 but is extendable to* other file formats and instruments.

Use of channel combinations to emphasize unique channel attributes. Here, the reflected solar contribution to the MODIS 4µm (B20) from low, warm clouds (enhanced black).

Controls the Data value to Color value mapping. Scene value histogram is provided for reference.

> Surface cooling effect of vegetation shown by simultaneous interrogation of NDVI and M15 ($11\mu m$).

Now, use transect to interrogate MODIS (left) and VIIRS (right) simultaneously to examine spatial and spectral resolution differences. The analyst will note the steeper and deeper response of the VIIRS 11µm (magenta) channel across the coastline along the transect.





HYDRA

Hyperspectral (CrIS)

