
Subject: MODIS Airborne Simulator Viewer

Posted by [Liam Gumley](#) on Tue, 23 Sep 1997 07:00:00 GMT

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SHARP is an IDL-based viewer for MODIS Airborne Simulator (MAS) HDF data. The program offers a point-and-click interface with the following features:

- Selection of any scene (716x716 pixels) in a MAS HDF file,
- View any band for a scene (with title and color scale),
- Automatic scaling to reflectance or brightness temperature,
- Continuous display of data value under cursor,
- Image creation via user defined band math,
- Enhance/stretch image with B&W or color lookup tables,
- Scaling of image data into a specified range,
- Interactive scatter plots with,
 - 1. User selected image regions (rectangle, circle, polygon),
 - 2. User selected X and Y axis band formulas,
 - 3. User selected X and Y axis limits,
 - 4. Select up to 10 regions (10 different colors),
- RGB image display,
- Overlay of cloud mask results,
- Projection onto a map base,
- GIF or Postscript output.

Please direct your browser to

<http://cimss.ssec.wisc.edu/~gumley/sharp/sharp.html>

to download and try this new program. It will run on any platform (Unix/Linux/NT/Mac) where IDL is installed, and the user does **not** need to know anything about HDF. Sample MAS HDF data and cloud mask results are also available.

Cheers,
Liam.
