Subject: ITT VIS: Space Science Research Update
Posted by Paul Sommer on Wed, 18 Apr 2007 13:56:20 GMT
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Dear Space Science Research Leaders and Users of ENVI+IDL,

I am submitting this post to bring you up to date on several recent developments that should interest you. As you may, or may not be aware, our ENVI+IDL Sales Engineer team has been supporting the Mars Reconnaissance Orbiter HiRISE instrument from a down-stream, data delivery and analysis perspective: http://hiroc.lpl.arizona.edu/

Recently there has been additional interest expressed in having ENVI +IDL support the Cassini mission in a similar, integrated capacity. For example, we are in discussions about what it would take to support additional non-earth map projections, specific sensor calibrations/ correction and advanced spatial and spectral analysis. We have already provided the HiRISE community with what we call the "HiRISE Toolkit" which includes the following features (see attached for additional information):

· Custom data input utility for PDS .JP2, PDS .IMG, JPEG, PNG, TIFF

· Support for PDS attached and detached label (*.LBL) files

· Input of Mars map projection metadata

· Interactive PDS metadata viewer

· Automatic band center wavelength & FWHM designation

· Custom cursor location tool that displays both planetocentric and

planetographic coordinates

· Calibration to I/F utility

> From what I understand, both the CRISM and Pancam teams also have their own toolkits written in IDL for ENVI. My question to the community is would you find it beneficial for us to "industrialize" your work and provide a tighter integration into the ENVI+IDL environment? We can offer standard installers and other ease of use features so that the "out of box" experience for the community is high quality. We could also roll in addition features anyone may be struggling with, etc, etc.

In addition, here is a nice web services demo featuring planetary science data you can run from Mac OSX (PPC or Intel), or Windows. The demo uses Java Web Start Technology and Google Mars for base map navigation. Our IAS Viewer is launched with the HiRISE imagery pinpointed on the Google base map. The dataset is ~350 Mbytes in size but instantly streams down using JPIP without overwhelming your local workspace:

Google Mars for HiRISE (Windows and Mac OS X Supported!). Includes free IAS JPIP Client.

http://iasdemo.ittvis.com/mars/

Our new ENVI Zoom product can also attach itself to the above type of data stream - either via JPIP, or other standard web services.

Our new InfoNET hosting private HiRISE Code and Information Exchange Portal:

http://www.ittvis.com/network/index.asp

For account info to join the HiRISE support portal, please let us know.

We have also set up a new, Public Forum for the Space Science Community (it's in its infancy, but has potential to allow our team to better support your teams):

https://www.ittvis.com/forum/choosecategory.asp

Thanks again to each of you for your interest. We look forward to hearing from you with feedback.

Best regards,
Paul

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