Subject: Re: call ENVI menu routines
Posted by Maxwell Peck on Wed, 22 Sep 2010 21:44:52 GMT
View Forum Message <> Reply to Message

On Sep 23, 4:39 am, chris <rog...@googlemail.com> wrote:
> On 22 Sep., 20:17, Mort Canty <m.ca...@fz-juelich.de> wrote:
>
>
>
>> Am 22.09.2010 18:28, schrieb chris:
>
>>> Hi,
>>> is it possible to call ENVI routines from IDL directly, e.g. Basic
>>> Tools/Stretch Data, so that the specific menu will be opened?
>
>>> Thanks in advance
>
>>> CR
>
>> Well, you can certainly access just about every ENVI menu routine from
>> IDL by calling the corresponding "DOIT", e.g.,
>
>> ENVI_DOIT, STRETCH_DOIT, FID=FID, ...
>
>> but you have to supply everything that you would have otherwise entered
>> into the menu as keywords.
>
>> Mort
>
> Dear Mort, dear David,
> i know how to use ENVI routines from IDL, but some routines have
> limitations. The same routines are not limited if you would call them
> from the ENVI menu. The stretching routine was only an example. Any
> other ideas?
>
> Best regards
>
> CR

Chris,

Which routines in particular? ENVI I have found is a lot better in
that regard than it has been in the past.

FYI sometimes you need to call a few routines to make up for the
functionality you see in the ENVI GUI, e.g. BACKGROUND_STATS_DOIT
before the MTMF_DOIT whereas in the GUI you do this together.

David,

Not to sound like a marketing rep for ITT but I do sometimes think
ENVI is often overlooked by the remote sensing IDL community in
general. Yes it is more expensive but how much is ones time worth? A
lot of the pain in the neck tasks you need to code in IDL (map
projections, file i/o etc) are one liners in ENVI and can be coded
generically for use with any dataset quickly. Tiling and tiled
routines also let you use massive images efficiently without having to
stuff around. I do tend to find its quicker to code something quickly
that you can be reasonable confident is correct.

Max