Subject: Re: BSQ to BIL
Posted by David Fanning on Fri, 05 Feb 2010 20:02:05 GMT
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Hawaiianite writes:

> Second, the write_isis command isn't being recognized by idl.

The WRITE_ISIS command is either a procedure or a function.
You seem to be calling it as if it were both! :-)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: BSQ to BIL
Posted by Maxwell Peck on Sat, 06 Feb 2010 21:00:18 GMT
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> a=isis_write, r_fid,filename + '_bil.cub'

Hi,

I'm not sure where ISIS_WRITE comes from (it's not an ENVI function as
far as i know), or what your actual error is, but it is unlikely it
will accept the r_fid keyword. You will probably need to use the
ENVI_GET_DATA function to put the band in an IDL variable and output
it from that. If there is a lot of data you may need to use tiling
(all in the ENVI Programmers guide).

Max

Subject: Re: BSQ to BIL
Posted by jtmcahill on Mon, 08 Feb 2010 16:01:47 GMT
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On Feb 6, 4:00 pm, Maxwell Peck <maxjp...@gmail.com> wrote:

>> a=isis_write, r_fid,filename + '_bil.cub'
>
> Hi,
>
> I'm not sure where ISIS_WRITE comes from (it's not an ENVI function as
> far as i know), or what your actual error is, but it is unlikely it
> will accept the r_fid keyword. You will probably need to use the
> ENVI_GET_DATA function to put the band in an IDL variable and output
> it from that. If there is a lot of data you may need to use tiling
> (all in the ENVI Programmers guide).
>
> Max

David and Max,

I confess that I definitely got the syntax wrong with the Isis_write command. By the way, "isis_write" is a command that the USGS provides for making ".cub" files from IDL compatible with their mapping software program (ISIS). They have several commands help accommodate those of us that like aspects of both IDL and ISIS. In this particular case, I'm looking to format this file for import into ISIS but I've never had to do a BSQ to BIL conversion.

Anyway, I'm more concerned with converting the file to BIL format first. I can worry about writing the .cub file later (which I've done before I'm just a bit rusty, obviously). What I don't understand is the above code (with the isis_write command commented out) makes a file that ENVI says is a BIL when opened and provides a small header file with basic information. How can verify that this is true. I'm worried it may have only changed some info in the header to appease me. I've tried verifying this by loading it into ISIS with a RAW2ISIS procedure but it gives me a pretty messed up image so either it isn't writing out the header info correctly for me to enter into ISIS or it hasn't made the conversion at all. It looks beautiful in ENVI and says it is a BIL but that is one step short of where I need to go.

Any thoughts?
Josh

Subject: Re: BSQ to BIL
Posted by penteado on Mon, 08 Feb 2010 20:53:56 GMT
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On Feb 6, 7:00 pm, Maxwell Peck <maxjp...@gmail.com> wrote:
>> a=isis_write, r_fid,filename + '_bil.cub'
>
> Hi,

>
> I'm not sure where ISIS_WRITE comes from (it's not an ENVI function as
> far as i know), or what your actual error is, but it is unlikely it
> will accept the r_fid keyword. You will probably need to use the
> ENVI_GET_DATA function to put the band in an IDL variable and output
> it from that. If there is a lot of data you may need to use tiling
> (all in the ENVI Programmers guide).
>
> Max

This is not directly related to the original question, but if anyone
is interested, I have a reader and writer for ISIS cubes. The main
reasons I wrote them are the awkward interface of the ISIS routines,
their lack of ability to do more complicated things than just reading
or writing core bands, and to not need to install ISIS just to read
and write cubes from IDL. However, my routines presently only support
BSQ.
