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Subject: Re: looking for some idl + seawifs (seadas) help

Posted by [majewski](#) on Sun, 23 Dec 2001 00:36:48 GMT

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On Sat, 22 Dec 2001 07:16:40 GMT, "daben" <daben@\_nospam\_rohan.sdsu.edu> wrote:

> I am relatively new to using seadas (idl) to process seawifs imagery. Is

> there anyone here that could field some questions?

>

> daben

Hi Daben

I've used SeaDAS for a couple of years now (and IDL for about the same period) so maybe I could help.

The SeaDAS technical support people are wonderful. They have always been able to help our group with some more technical issues - so if someone here can't answer, they should be your next step (I forget their address but it is probably [seadas@seadas.gsfc.nasa.gov](mailto:seadas@seadas.gsfc.nasa.gov)).

If you could mention what platform and version of SeaDAS your using - that might help.

leon

-----  
Leon Majewski

Remote Sensing & Satellite Research Group  
Curtin University of Technology, Perth, Australia

email: [majewski@ses.curtin.edu.au](mailto:majewski@ses.curtin.edu.au)

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Subject: Re: looking for some idl + seawifs (seadas) help

Posted by [daben](#) on Sun, 23 Dec 2001 04:36:07 GMT

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Hi Leon

I am running SEADAS on a DUAL Athalon (XP 1800) PC with RH Linux 7.2. I have 1GB RAM. I also am running IDL 5.5.

I am having trouble with BL2MAP in that I keep running out of memory ("Cannot allocate memory"). I have modified my swap partition to 2.5 GB in the hopes that it would help but I am still having trouble. When I process in SEADAS (interactively) I have no problem, yet when I run it in batch mode I have this problem. Maybe I am doing something different. Do you know of

memory limitations?

Another issue I have is subscening the Southern Ocean. I need to essentially study everything South of 50 S yet subscening doesn't seem to work too well at the poles.

thanks  
ben

"Leon Majewski" <majewski@DELETEcygnus.uwa.edu.au> wrote in message news:3c252372.86773861@news.uwa.edu.au...

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> leon

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> -----

> Leon Majewski  
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> Remote Sensing & Satellite Research Group  
> Curtin University of Technology, Perth, Australia

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> email: majewski@ses.curtin.edu.au

>

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Subject: Re: looking for some idl + seawifs (seadas) help

Posted by [daben](#) on Sun, 23 Dec 2001 07:20:41 GMT

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Hi Leon

I think I have found an issue: There seems to be something wrong with bl2map (or maybe I just don't know what the hell I am doing). If I load a L2 file and try to map it to the nav extents of the L2 file, I end up with the whole world, but really zoomed out. It is hard to explain but maybe I could post a picture of what I get and the exact steps and files and you could give it a whirl.

I am also forwarding this to seadas (Mark) for some help hopefully.

thanks ben

"daben" <daben@\_nospam\_rohan.sdsu.edu> wrote in message  
news:XadV7.16524\$AI.10716758@typhoon.san.rr.com...

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>> Leon Majewski  
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>> Remote Sensing & Satellite Research Group  
>> Curtin University of Technology, Perth, Australia  
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>> email: majewski@ses.curtin.edu.au  
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Subject: Re: looking for some idl + seawifs (seadas) help  
Posted by [majewski](#) on Sun, 23 Dec 2001 15:20:36 GMT  
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On Sun, 23 Dec 2001 04:36:07 GMT, "daben" <daben@\_nospam\_rohan.sdsu.edu>  
wrote:

> I am running SEADAS on a DUAL Athalon (XP 1800) PC with RH Linux 7.2. I  
> have 1GB RAM. I also am running IDL 5.5.

What version of SeaDAS are you running? There have been a number of  
updates recently, and a re-issue of some of the IDL components.

Are you running SeaDAS with the runtime license (ie seadas -em) or using  
your IDL5.5 as the backbone?

> I am having trouble with BL2MAP in that I keep running out of memory  
> ("Cannot allocate memory"). I have modified my swap partition to 2.5 GB in  
> the hopes that it would help but I am still having trouble. When I process  
> in SEADAS (interactively) I have no problem, yet when I run it in batch mode  
> I have this problem. Maybe I am doing something different. Do you know of  
> memory limitations?

I haven't had any memory issues whilst running BL2MAP on either RH6,  
RH6.2, or IRIX 6.x

If BL2MAP functions correctly from the GUI interface, it should also  
function in batch mode (so your memory allocations shouldn't play any

role here). Does the L1A batch processing (msl12 or something similar) perform correctly?

Is it possible for you to output a parameter file from the interactive session (that does work), and compare it to your batch command (that does not work) - maybe a switch is missing, or some other syntax issue.

> Another issue I have is subscening the Southern Ocean. I need to  
> essentially study everything South of 50 S yet subscening doesn't seem to  
> work too well at the poles.

Since the BL2MAP and other gridding/mapping procedures use the IDL mapping interface, you should check the IDL documentation, and the numerous discussions in this newsgroup re: mapping at poles (<http://groups.google.com>).

You could try out a number of things in IDL and then transfer this knowledge across to SeaDAS.

On Sun, 23 Dec 2001 07:20:41 GMT, "daben" <daben@\_nospam\_rohan.sdsu.edu> wrote:

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> L2 file and try to map it to the nav extents of the L2 file, I end up with  
> the whole world, but really zoomed out.

This sounds like the map projection you are using is not quite suited to your needs - again as above maybe search through the archive to look at how people solved the poles issue.

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> could post a picture of what I get and the exact steps and files and you  
> could give it a whirl.

leon

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Leon Majewski

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