
Subject: Maximum Likelihood processing time
Posted by [lbusett](#) on Tue, 09 Mar 2004 11:59:54 GMT
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Hi all,

I need to evaluate the variation in the processing time required to perform a maximum likelihood classification with a variable number of input bands, so I'm using the ENVI built-in functions "envi stats doit" (in order to compute ROI statistics) and "class_doit" (in order to classify the image).

My problem is that when I perform the classification for the first time I have a high processing time (i.e. 60 seconds), but if I perform the same classification a second time, the time required for the process is much lower (i.e. 10 seconds). I tried to reset the idl session (with the `.FULL_RESET_SESSION` command), and also to quit and restart idl and perform again the classification, but after the first classification the time required for the process remains low. The only way to have a comparable processing time is to restart my pc. This also happens if I increase the number of input bands used: If I make a classification with 10 bands, I have a high processing time, but if I first make a classification with 5 bands and then a classification with 10 bands, the time required for the 10 bands classification is lower.

Does anybody know why it happens ? Is IDL (or ENVI) "storing" somewhere the informations on previous calculations ?

I don't want to have to restart my computer every time I change the number of bands in order to get comparable processing times....

Thanks for the help,

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