
Subject: Re: Large data sets

Posted by [Paul van Delst](#) on Fri, 04 May 2001 14:00:16 GMT

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Neil Talsania wrote:

>

> Hi,

> I am new to IDL, and everything that I have done so far works great on
> small data sets. But, I don't know how to use it for a large (>2 gig)
> dataset, as I obviously just can't load that into an array. The data is on
> disk and can either be tiled so that it is stored in 1024x1024 segments, or
> it is stripped which is one complete row at a time. Even a complete row is
> large (>80000 samples).

>

> Any thoughts as to how I would be able to use this data?

>

> Another question: is there thread support in IDL? I have a machine with 18
> processors, so it sure would be nice to process this large dataset in 18
> parallel threads. Any suggestions?

You work for kodak - can't you walk down the hall and ask the RSI/IDL engineers.....? :o)

Seriously, though. What errors (if any) are you getting? Some OS'es don't support files > 2Gig but if you have a machine with 18 processors I, uh, don't think that would be a problem. More info on what you wanted to do would be helpful. 80000 datapoints doesn't sound very big to me (I read in millions of double values daily on a regular little old linux box). Reading in cunks or strips at a time and processing it sequential sounds like a reasonable method - if only for a first cut (unless the data is interdependent somehow.)

paulv

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Paul van Delst A little learning is a dangerous thing;
CIMSS @ NOAA/NCEP Drink deep, or taste not the Pierian spring;
Ph: (301)763-8000 x7274 There shallow draughts intoxicate the brain,
Fax:(301)763-8545 And drinking largely sobers us again.
 Alexander Pope.