Subject: Re: Need help working with large video file
Posted by plmcelwee on Wed, 08 May 2002 22:32:58 GMT
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"Kenneth P. Bowman" <kpb@null.com> wrote in message
news:<kpb-D80AFB.18472102052002@corp.supernews.com>...
> In article <a3589d11.0205021259.69f111b6@posting.google.com>,
> plmcelwee@yahoo.com (Phil) wrote:
>
>> I need to process 5000 frames of video through an IDL program. The
>> video is in a NetCDF file, and the total size of the file is 650MB.
>> Does anyone have any tips on how to effectively work with files this
>> large? Essentially right now I read in the entire file, store the
>> frame data in a variable, then start my computations. This was
>> working nicely with the 130MB video file I was using previously, but
>> now I get out-of-memory errors with the larger file.
>
> NetCDF provides random access to any contiguous rectangular chunk of the
> data file. Assuming that you can work on a frame at a time, simply read
> a frame, process it, and write it back out.
>
> Look at the OFFSET, COUNT, and STRIDE keywords to NCDF_VARGET. To read
> frame s which is size nx x ny:
>
> NCDF_VARGET, id, 'Movie', frame, OFFSET = [0,0,s], COUNT = [nx,ny,1]
>
> This assumes that time is the last dimension (IDL convention). Ncdump
> uses the C convention, listing the dimensions in the reverse order.
>
> Regards, Ken

Sorry for the delay in responding, but I got pulled away on another
task before getting a chance to try your suggestion. I tried it
earlier today, and just so you'll know, it worked perfectly. Thanks
for the help!