Subject: Re: Loading ASCII data into an array
Posted by R.Bauer on Sat, 15 Oct 2005 15:18:00 GMT

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noekains@gmail.com wrote:

> Hi,
> I'm a new IDL-convert and I am still struggling a bit with some of the
> features.
> I would like to load a large - 26 columns, 41063 rows - ASCII file into
> a 26 columns 41063 rows array in order to be able to access individual
> elements afterwards. I've been trying to use the read_ascii procedure
> to do this, using
>
> data=read_ascii('aqu1.asc', data_start=13)
>
> but this then defines an anonymous structure with 26 fields. When I'm
> trying to access an element of the data array other than [0,0], I get
> the message "Attempt to subscript DATA with <INT   (8)> is
> out of range."

Hi Noah

try help,data[0].(0) vor the first element of first column
read_ascii returnes an arrayed structure because by this each column could
have a different type

the whole first column is
help,data.(0)

> I've also tried creating a template with the ascii_template command,
> but I get the same problem. Another thing I tried was to create a [26,
> 41063] floating points array, then using
>
> OpenR, lun, 'aqu1.asc', /Get_Lun
> ReadF, lun, data
> Free_Lun, lun
>
>
> but I then get the message
>
> READF: Input conversion error. Unit: 100, File: C:\RSI\IDL61\aqu1.asc

Do you have probably a comment line before the array of data begins? If so
you need only to overread this line and it goes well.
>

> Is there anyway to simply load the ASCII data into an array, in the
> same way as you get simple arrays when you load image data with
> procedures such as read_jpeg or read_dicom ?

Yes,

see above.

An alternative could be our read_data_file from our library at
 http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro. html

cheers
Reimar

Subject: Re: Loading ASCII data into an array
Posted by noekains@gmail.com on Sat, 15 Oct 2005 18:55:16 GMT
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Hi Reimar,
Thanks a lot for your help- indeed there were a few comment lines in
the file. I actually deleted them manually- I suppose there is a
keyword to skip them, like 'data_start' in the read procedures?
Best wishes,
Noah