
Subject: Loading ASCII data into an array

Posted by noekains@gmail.com on Sat, 15 Oct 2005 14:45:05 GMT

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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."

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:\RS\IDL61\aqu1.asc
```

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` ?

Apologies for the long message!

Many thanks for the help,

Noah
