Subject: Re: Array subscript for VECTOR must have same size as source expression
Posted by pgrigis on Fri, 24 Jun 2011 19:27:44 GMT
View Forum Message <> Reply to Message

Well,

this is a typical errors that you will encounter many times
in your idl career.

The line

all_barytimes[i,*] = im.BARYTIME

tries to assign a variable im.BARYTIME into an array all_barytimes,
specifically into a particular column of the array.

The error specifies that im.BARYTIME does not fit into
all_barytimes[i,*]
(likely because it has a different number of elements and/or
dimensions).

Here's an example showing the problem

IDL> a=fltarr(4,4)
IDL> b=fltarr(5)
IDL> a[1,*]=b
% Array subscript for A must have same size as source expression.
% Execution halted at: $MAIN$

see? can't fit the 5 elements of b into a column of a.

Ciao,
Paolo

On Jun 24, 11:27 am, Rohit Deshpande <singlebin...@gmail.com> wrote:
> Hello Everyone,
>
> I am a beginner in IDL and I have been working on a project. I explain
> it below:
>
> 1. The Idea: Read a bunch of FITS files in IDL. They have structure so
> I use MRDFITS. I would like to read each one of them in a separate
> variable and plot them. Given that each file has X by Y dimension,

> where X is always = 19 while Y changes but is mostly 1636.
>
> 2. The Code:
>
> im = fltarr(n)
> all_barytimes = dblarr(19,4000)
> all_normflux = dblarr(19,4000)
>
> FOR i = 0, n-1 DO BEGIN
> ; where filenames are the list of fits files I am reading
> it.
> im = mrdfits(file+'raw_test/'+string(filenames[i]),1,head)
> all_barytimes[i,*] = im.BARYTIME
> all_normflux[i,*] = im.AP_CORR_FLUX
> ENDFOR
>
> 3. The Error:
>
> IDL> lcs1
> % READCOL: 21 valid lines read
> MRDFITS: Binary table. 19 columns by 1639 rows.
> % Array subscript for ALL_BARYTIMES must have same size as source
> expression.
> % Execution halted at: LCS1
>
> Please let me know how to make it work.
>
> Thanks!
