
Subject: Re: READF: Input conversion error.

Posted by [Priyadarsini Sivaraj](#) on Mon, 29 Jun 2015 17:40:12 GMT

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On Monday, 29 June 2015 13:36:40 UTC-4, Priyadarsini Sivaraj wrote:

> On Monday, 29 June 2015 11:41:32 UTC-4, Priyadarsini Sivaraj wrote:

>> Hello Everyone..

>>

>> I have 15 simple ASCII files, which have to be read and the details of it are to be stored in a structure called ROI. The fields of the structure are,

>> NumROI-vector

>> Name-String

>> Color- 3 element vector

>> NumPoints-integer

>> Records-integer

>> Points- Two dimensional vector.

>>

>> I tried reading them all in a loop by using,

>>

>> FOR i=1,15 DO BEGIN

>> filename=[str,STRTRIM(i,2),ext]

>> file=[filelocation,filename]

>> Trial_ROI_Read,file

>>

>> In the procedure, I tried doing this,

>>

>> PRO Trial_ROI_Read, file

>>

>>

>> p =MAKE_ARRAY(5,198,value=1)

>> ROIs = CREATE_STRUCT('NumROI',[1],'Name','a','Color','1,1,1','NumPo
ints',[1],'Records',[1],'Points',p[*,*])

>> OPENR, lun1,file, /GET_LUN

>> header = STRARR(12)

>> READF, lun1, header

>> ROIs.NumROI=STRMID(header(3),18)

>> ROIs.Name=STRMID(header(9),12)

>> ROIs.NumPoints=STRMID(header(11),13)

>> ROIs.Color=STRMID(header(10),17)

>>

>>

>> points = [id , x, y, lat, lon]

>> WHILE ~EOF(lun1) DO BEGIN

>>

>> READF, lun1, id, x, y, lat, lon

>> pt = [id,x,y,lat,lon]

>> ;print, pt

>> points = [points , pt]

```

>>
>> ENDWHILE
>>
>> points= REFORM(points , [ 5 , 198 ])
>>
>> But I am not able to open the file and the following error pops up:
>> OPENR: Expression must be a scalar or 1 element array in this context: FILENAME.
>>
>> Is there any efficient way to do this..??Please do help me out..I am not well versed with IDL.
> This is my data file:
>
>
> ;2013_IEEE_GRSS_DF_Contest_Samples_TR
>
>
> ; Number of ROIs: 15
> ; File Dimension: 1905 x 349
> ; X=1 , Y=1 -> Upper-Left Corner
> ; X=1905, Y=349 -> Lower-Right Corner
>
>
> ; ROI name: grass_healthy
> ; ROI rgb value: {0, 205, 0}
> ; ROI npts: 198
> ; ID   X   Y       Lat       Lon
>   1  769   7  29.724995542787 -95.349772592660
>   2  768   7  29.724995084106 -95.349798420654
>   3  772   7  29.724996918802 -95.349695108676
>   4  771   7  29.724996460135 -95.349720936671
>
> 1  769   7  29.724995542787 -95.349772592660- This is the line where error occurs.

```

I have to read these values into separate variables namely, lun1, id, x, y, lat, lon. Earlier I had used a READF statement as follows:

```
READF, lun1, header
```

This is done to separate out the header and store the information present in it separately.