
Subject: Re: READF: Input conversion error.

Posted by [Priyadarsini Sivaraj](#) on Mon, 29 Jun 2015 17:36:37 GMT

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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','NumPoints',[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.
```
