
Subject: Re: Type conversion error: Unable to convert given STRING to Float.
Posted by [Michael Galloy](#) on Tue, 05 Jul 2011 20:28:13 GMT

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On 7/5/11 1:56 PM, Zac wrote:

```
> Here's the solution, convert the integer to a string before inserting
> into the file name:
>
> layr=strcompress(string(lay +1), /REMOVE_ALL)
>
> Open_Device, /ps, /Color, filename="+outdir+'/emissions_'+sim
> +'_air_level'+layr+'_'+pol+'.ps'
> tvmap, air_pl, lon, lat, BLACK=1, NColors=225, Bottom = 20, /coasts, $
>   Title='Layer '+layr+' Aircraft '+pol+' Emissions - '+simtitle,$
>
```

Here's the two ways I end up using to do this. The quick and easy way:

```
layr = strtrim(lay + 1, 2)
```

STRTRIM will convert a number type to a string and also remove whitespace, here the "2" indicates to remove leading and trailing whitespace.

Or I might do something like this:

```
filename = string(outdir, sim, lay + 1, pol, $
               format=('%"%s/emissions_%s_air_level%d_%s.ps"))')
```

You can also use Fortran style format codes, I am just more familiar with the C ones.

Mike

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Modern IDL, A Guide to Learning IDL: <http://modernidl.idldev.com>

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