
Subject: Re: lunch envi function in 'batch mode'

Posted by [Robert Moss](#) on Thu, 17 Nov 2005 13:08:18 GMT

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S.Cogliati wrote:

```
> Hi, I'm developing an Idl application that utilize an Envi function
> (Envi_compute_sun_angles) so I lunch envi in batch mode in this way:
>
> ;start ENVI batch_mode
> OpenW, batch_lun, 'batch_log_from_ENVI.txt', /Get_LUN
> ENVI, /restore_base_save_files
> ENVI_INIT, /batch_mode, batch_unit=batch_lun
> free_lun, batch_lun
>
> ;compute the elevation angle
> elev=ENVI_COMPUTE_SUN_ANGLES (Day, Month, Year, GMTtime, Lat, Lon)
>
>
> I'm sure that when I compile the project the Envi routines are loaded,
> but the first time that I run the code Idl stops at the Envi function
> call instruction and send me this error message:
>
> % XMANAGER: Caught unexpected error from client application. Message
> follows...
> % Variable is undefined: ENVI_COMPUTE_SUN_ANGLES.
> % Execution halted at: RHO_PANEL      47
> C:\OO_import_v20.0mod\rho_panel.pro
> %          COMPUTE_STAT2    50
> C:\OO_import_v20.0mod\compute_stat2.pro
> %          XMANAGER_EVLOOP_STANDARD 478
> C:\RS\IDL61\lib\xmanager.pro
> %          XMANAGER      708
> C:\RS\IDL61\lib\xmanager.pro
> %          GUI_PRO      27
> C:\OO_import_v20.0mod\gui.pro
> %          $MAIN$
>
>
> After the first time that Idl stops there code runs correctly.
>
> Regards, S.Cogliati
>
```

I do not think this is an ENVI problem. Try putting the command
COMPILE_OPT STRICTARR at the top of the procedure that is calling
ENVI_COMPUTE_SUN_ANGLES. I suspect IDL thinks it is a variable instead
of a function. If you are using parenthesis for array indices (shame on
you), try using FORWARD_FUNCTION ENVI_COMPUTE_SUN_ANGLES instead.

--
Robert Moss, PhD
