
Subject: Handle big data files

Posted by [lucsmm](#) on Mon, 02 Nov 2015 01:44:01 GMT

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Hello

I have been working with big data files (~18MB each)

And everytime I need to handle anything with the data, mostly plotting, takes a long time.

So I was trying to put them all in one file per year (the data is arrange by date)

But just running this takes a few hours.

```
PRO Save_1year
  GET_LUN, outlun
  Openw, outlun, 'name.txt'
  Year = ''
  READ, Year, PROMPT='Enter Year:'
  openw, outlun, 'C:data\year'+ Year+'.txt', /get_lun

  files=FILE_SEARCH('C:data'+Year+'*', COUNT=nfiles)
  Print, files
  data = []

  FOR i=0,nfiles-1 DO BEGIN
    filename=files[i]
    fileNumber = STRMID(filename,51,5)
    nlines = FILE_LINES(files[i])
    thisFile = files[i]

    ;line=fltarr(17,1)
    OpenR, inLun, thisFile, /Get_Lun
    SKIP_LUN, inLun, 1, /LINES
    while not EOF(inlun) do begin & $
      line=make_array(17,1, type=5)
      Readf, inLun, line, FORMAT='...'
      data=[[data],[line]]

    Endwhile
    Free_Lun, inLun

  ENDFOR
  PrintF, outLun, data, FORMAT= '...'
END
```

I was wondering if there is an easier way to handle this data, I don't know anything about SAVE files, may be this is easier?

Please help

Thank you

Luz Maria
