
Subject: Read several files into one big data array?
Posted by [lucsmm](#) on Wed, 22 Oct 2014 20:57:10 GMT
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I have tons of data files in the same folder. They are named correctly with the last 5 digits representing the order

Example

FILE_00001.dat

FILE_00002.dat

....

Within this files I have data formatted like this, The length of the data varies from file to file

seconds Time data1 data2

189 00:03:09 111.20 770.62

3785 01:03:05 200.15 255.66

7345 02:02:25 198.83 779.16

10983 03:03:03 200.01 555.55

#Comments

#Comments

#Comments

I want to read all the files and storage the data in the following format

data=[

00001 4189 00:03:09 111.20 770.62

00001 3785 01:03:05 200.15 255.66

00001 745 02:02:25 198.83 779.16

00001 10983 03:03:03 200.01 555.55

00002 532 02:56:00 888.01 998.20

00002 200 23:59:52 222.00 000.10

....]

So this is what I have so far. But I am stock with getting the data from the title
PRO

files = file_search('\folder', '*.dat', COUNT=nfiles)

for i=0, nfiles-1 do begin

 nlines = FILE_LINES(files[i])

 data = FLTARR(nlines)

 OPENR, lunit, files[i], /get_lun

 READF, lunit, data, FORMAT='(6(I, C(CHI.2, ':', CMI.2, ':', CSI.2), 2F))'

 CLOSE, lunit

 FREE_LUN, lunit

endfor
