
Subject: READ, adn get data into an array from LARGE SIZE FILES

Posted by [lucsmm](#) on Tue, 07 Jul 2015 16:43:47 GMT

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Hello All

I have a big problem

I need to open ,read and extract some useful data from big files, I have about 20 files ranging from 189MB to 22GB in size.

There is a header (first 4 lines or so)

Not all the lines are the same size, want to re-structure the file into an array with only a few data point from each line.

Like from the first data line I just want the 1000

From the following line I want to 212

From the following line I want the 0.80000E+01

So I will write

```
1000 212 0.80000E+01
```

Then I want

```
3000 122 0.80000E+01
```

```
3000 211 0.75687E+01
```

```
3000 115 0.75687E+01
```

```
SKIP 5000 *****
```

```
2015 155 0.17684E+01
```

```
SKIP 5000 *****
```

```
2011 115 0.51101E+00
```

Or something like that

This is an example kind of format the data files are written :

```
3 7 9 8 9 8 9 8 9 8 9 0 4 0 0 0 0 0 0 0
1 2 3 7 8 9 16 17 18 19 20 21 22 23 24 25 26 27 28 7 8 10 11 16 17 18 19
20 21 22
23 24 25 26 27 28 7 8 12 13 16 17 18 19 20 21 22 23 24 25 26 27 28 7 8 10
11 16 17 18
19 20 21 22 23 24 25 26 27 28 7 8 14 15 16 17 18 19 20 21 22 23 24 25 26 27
28
2475 1000 2
3000 1 40 3 212 0 0
```

0.40643E+01 -0.93584E+01 0.48473E+01 0.20720E-01 0.90154E+00 -0.43220E+00
 0.80000E+01 0.10000E+01 0.00000E+00
 3000 2 43 25 3 122 6 0
 0.42219E+01 -0.25000E+01 0.15593E+01 0.20720E-01 0.90154E+00 -0.43220E+00
 0.80000E+01 0.10000E+01 0.25422E-01
 3000 3 44 31 3 211 0 5
 0.42171E+01 -0.24650E+01 0.15412E+01 -0.83941E-01 0.85475E+00 -0.51220E+00
 0.75687E+01 0.10000E+01 0.25555E-01
 5000 4 117 174 3 115 5 5
 0.40564E+01 -0.82822E+00 0.56041E+00 -0.83941E-01 0.85475E+00 -0.51220E+00
 0.75687E+01 0.10000E+01 0.31955E-01
 2015 4 2 1 3 115 5 932
 0.41191E+01 -0.75830E+00 0.55086E+00 0.90458E+00 0.38728E+00 -0.17820E+00
 0.99789E-03 0.10000E+01 0.32428E-01
 5000 7 0 0 3 115 5 1
 0.43406E+01 -0.74618E+00 0.41210E+00 0.67909E+00 -0.11221E+00 -0.72543E+00
 0.17684E+01 0.10000E+01 0.33286E-01
 2011 7 2 3 3 115 5 1343
 0.43580E+01 -0.75818E+00 0.39485E+00 0.93607E+00 0.33833E+00 -0.96485E-01
 0.99819E-03 0.10000E+01 0.33643E-01
 5000 10 78000 3 3 115 5 1
 0.43578E+01 -0.72648E+00 0.41716E+00 0.38784E+00 0.47850E+00 0.78779E+00
 0.51101E+00 0.10000E+01 0.33772E-01
 2013 10 2 5 3 115 5 1049
 0.43576E+01 -0.72315E+00 0.41485E+00 0.46633E+00 0.88357E+00 -0.43014E-01
 0.98065E-03 0.10000E+01 0.33864E-01
 5000 6 78000 5 3 115 5 1
 0.43406E+01 -0.74618E+00 0.41210E+00 0.90620E+00 0.13522E+00 -0.40064E+00
 0.15462E+00 0.10000E+01 0.33286E-01
 2011 6 2 7 3 115 5 781
 0.43403E+01 -0.74631E+00 0.41167E+00 -0.52533E+00 0.65367E+00 0.54475E+00
 0.99241E-03 0.10000E+01 0.33303E-01
 5000 8 78000 3 3 115 5 1
 0.43402E+01 -0.74649E+00 0.41166E+00 -0.23393E+00 -0.18276E+00 0.95492E+00
 0.58210E-02 0.10000E+01 0.33293E-01
 2011 8 2 9 3 115 5 361
 0.43402E+01 -0.74649E+00 0.41167E+00 -0.16978E+00 0.60617E+00 0.77700E+00
 0.96494E-03 0.10000E+01 0.33293E-01
 5000 7 78000 3 3 115 5 2
 0.41530E+01 -0.76214E+00 0.54112E+00 0.15077E+00 -0.36478E+00 -0.91881E+00
 0.67048E-01 0.10000E+01 0.32533E-01
 2014 7 2 11 3 115 5 897
 0.41530E+01 -0.76206E+00 0.54111E+00 -0.75633E+00 -0.29606E+00 0.58337E+00
 0.99668E-03 0.10000E+01 0.32544E-01
 5000 7 78000 4 3 115 5 1
 0.41502E+01 -0.76024E+00 0.54159E+00 0.83551E+00 -0.10533E+00 0.53929E+00
 0.11567E-01 0.10000E+01 0.32522E-01
 2011 7 2 12 3 115 5 492

0.41502E+01 -0.76025E+00 0.54159E+00 -0.80438E+00 -0.52532E+00 -0.27751E+00
0.98903E-03 0.10000E+01 0.32523E-01

Any idea how to handle this? Please Help?
