
Subject: reading and writing with assoc

Posted by [psbebs](#) on Thu, 10 Aug 2006 20:55:15 GMT

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I am trying to read a binary file and write the same data back to a new file with one of its arrays replaced with a new array. I've only used assoc to read files, and when I try to write the file with assoc, I wind up with a smaller file. My new array should be the same size as the old array, so I don't know what I'm doing wrong that is making the new file too small. Here's how I'm reading the data, but how do I write it back with aiLandsea replaced with a new array?

```
a=assoc(unit3,      $
  {field_data      $
  ,anal_temp:0      $
  ,avg_grad :0      $
  ,grad_xplus:0     $
  ,grad_xminus:0    $
  ,grad_yplus :0    $
  ,grad_yminus:0    $
  ,phys_descr:0b    $
  ,spare1:0b        $
  ,nobs:0b          $
  ,obs_age:0b       $
  ,reliab:0         $
  ,coverage:0       $
  ,covar_xplus:0b   $
  ,covar_xminus:0b  $
  ,covar_yplus:0b   $
  ,covar_yminus:0b  $
  ,climate_temp:0   $
  ,obs_age_2:0      $
  },offset)

kk=long(0)
For ii = 0, num_rowsL-1 do begin
  For jj= 0, num_colsL-1 do begin
    kk=long((ii*num_colsL)+jj + ii)
    tmp=a(kk)
    byteorder,tmp
    aiNobs(jj, ii) = tmp.nobs
    aiAgeobs(jj, ii) = tmp.obs_age
    aiReliab(jj, ii) = tmp.reliab
    aiPercice(jj, ii) = tmp.phys_descr
    aiLandsea(jj,ii)=tmp.spare1
    sst(jj,ii) = tmp.anal_temp*10
  Endfor; end for(num_colsL)
Endfor; end for(num_rowsL)
```

Thanks,

Jill
