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```

readu, lun, nlon, nlat, nchannel
lons=fltarr(nlon)
lats=fltarr(nlat)
readu, lun, lons, lats
                ; declare main images array:
file_delete, '/home/meteor/mapped_data/images.dat', /quiet

*** Memory in use: 71 kB

images = varray("/home/meteor/mapped_data/images.dat",byte(0), $
               nlon,nlat,nchannel,/writable)

*** Memory in use: 71 kB
                ; read in images array:
readu, lun, images

*** Memory in use: 71 kB

free_lun, lun

                ; declare subarray:
file_delete, '/home/meteor/mapped_data/sector_images.dat', /quiet

*** Memory in use: 70 kB

sector_images = varray("/home/meteor/mapped_data/sector_images.dat", $
                      byte(0),nlon,nlat,nchannel,/writable)

*** Memory in use: 70 kB
                ; write out subarray:
openw, lun, filename+'_sector', /get_lun, error=err
writeu, lun, images[0:nlon-1,0:nlat-1,*]
free_lun, lun

                ; read in sector images:
openr, lun, filename+'_sector', /get_lun, error=err
readu, lun, sector_images
*** Memory in use: 70 kB
free_lun, lun

                ; try to copy directly:
sector_images = images
*** Memory in use: 10531 kB

end

```
