
Subject: Re: Reading Multiple DICOM Files
Posted by [Jye](#) on Mon, 09 Mar 2009 00:17:55 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Robbie and David,

I am currently reading the data into an array and this is where it slowing down. Reading all of the files into an OBJARR is relatively faster but this OBJARR must then have each objects image data read individually eg I have not been able to do this;

```
Image_Data = oArray -> GetValue(REFERENCE = image_data_reference, /no_copy)
```

Below is what Im currently using.

Cheers
Jye

PRO Example

```
folder = 'D:\Dynamic\' ;Folder containing all of the DICOM files  
files = file_search(string(folder, '*.DCM'), COUNT=nfiles)
```

```
dicom_obj = obj_new('GDLffDICOM')  
result = dicom_obj -> Read(files[0])
```

```
image_Acq_Time_reference = dicom_obj -> GetReference('0018'x,'1242'x)  
image_reference = dicom_obj -> GetReference('7FE0'x,'0010'x)
```

```
obj_destroy, dicom_obj
```

```
for i = 0, nfiles-1 do begin
```

```
    Slice_Number = i  
    dicom_obj = obj_new('GDLffDICOM')  
    result = dicom_obj -> Read(files[i])
```

```
    image_Acq_Time = dicom_obj -> GetValue  
    (REFERENCE=image_Acq_Time_reference,/no_copy)  
    image_Acq_Time = *(image_Acq_Time[0])/1000.
```

```
    if i eq 0 then Acq_Time = image_Acq_Time else Acq_Time = [Acq_Time,  
    image_Acq_Time]
```

```
    image_slice = dicom_obj -> GetValue(REFERENCE=image_reference,/no_copy)
```

```
image_slice = rotate(*(image_slice[0]), 7) / image_Acq_Time

if i eq 0 then All_Images = image_slice else All_Images =
[[All_Images]], [[image_slice]]

obj_destroy, dicom_obj

endfor

END
```
