
Subject: Data I/O problem on IBM R6000

Posted by [pellet](#) on Mon, 23 Jan 1995 19:02:54 GMT

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I'm facing a rather strange problem (bug?) when trying to write images to file with the WRITE_SRF routine.

If I take a byte array Z, write it to a file and then read it back it is ok.

But if I do the same with a sub-part of that array Z1 then the read image is incorrect. Both the WRITE_SRF and TIFF_WRITE routines show this behaviour.

I tried this on three different systems and only the IBM R6000 shows the malfunction. Here's the code that shows it.

;1) Create an image. View, save, read and view again the image.

```
z=bytarr(256,256)
```

```
for i =0,255 do z(i,*)=i
```

```
tv, z
```

```
write_srf, 'z.img', z
```

```
read_srf, 'z.img', zz
```

```
window,2
```

```
tv, zz
```

;The 2 images should and are identical.

;2) Take a subframe of that array and do the same operations.

```
z1 = z(21:200,20:200)
```

```
wset, 0
```

```
erase
```

```
tv, z1
```

```
write_srf, 'z1.img', z1
```

```
read_srf, 'z1.img', zz1
```

```
wset, 2
```

```
erase
```

```
tv, zz1
```

```
result = where(z1 NE zz1, count) & help, count, result
```

At this point I see 2 different images, and the output of the last command should be:

```
COUNT      LONG      =      0
```

```
RESULT      LONG      =     -1
```

but I get:

```
COUNT      LONG      =     3908
```

```
RESULT      LONG      = Array(3908)
```

So, if anyone has any ideas/suggestions they are very wellcomed (sp?).

Jeff

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